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RESEARCH MEMORANDUM

PRESSURE DISTRIBUTIONS OVER A SERIES OF RELATED AFTERBODY
SHAPES AS AFFECTED BY A PROPULSIVE JET
AT TRANSONIC SPEEDS

By Beverly Z. Henry, Jr., and Maurice S. Cahn

Langley Aeronautical Laboratory
Langley Field, Va.

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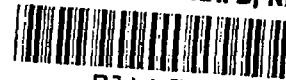
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NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS

WASHINGTON

January 22, 1957

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PRESSURE DISTRIBUTIONS OVER A SERIES OF RELATED AFTERBODY
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SUMMARY

Investigations have been conducted at transonic speeds to determine the effects of a sonic propulsive jet on the aerodynamic characteristics of the body from which it issues. Presented herein are the pressure distributions over the related series of afterbody shapes used in these investigations.

These results indicate that the effects of the jet on body surface pressures will be confined to the rearmost 15 to 20 percent of the length for bodies with fineness ratios of the order of 10. On low-drag shapes, those with large extents of low-angle boattailing and small base sizes, the effect of the jet is to cause an increase in body pressures in the vicinity of the base, while on the blunt shapes the predominate effect was to reduce these local pressures within the range of this investigation. Increases in jet temperature from cold to 1,200° F resulted in local-pressure increases which were negligible on the low-drag shapes but became significant on the blunt shapes. Increasing stream Mach number tended to reduce the extent of body surface influenced by the jet.

INTRODUCTION

Investigations have been conducted in the Langley 8-foot transonic tunnel to evaluate some of the effects of a sonic propulsive jet on the body from which it issues and to determine the influence of afterbody shape on these jet effects. All results were obtained at an angle of attack of 0° throughout the Mach number range from 0.80 to 1.10 and at each test point jet pressure ratio and temperature were varied. Initial results of the investigations have been reported in references 1 and 2. These papers present the variation with jet pressure ratio of base-pressure coefficient and afterbody-drag coefficient at different values

of stream Mach number and jet temperature for each of the configurations tested.

The results presented herein are the pressure-distribution measurements obtained over the bodies investigated. The pressure measurements are presented in coefficient form and have been tabulated for each afterbody at each test condition. These results are presented with limited analysis in order to expedite their availability to those concerned with afterbody—jet-exit design.

SYMBOLS

C_p	pressure coefficient, $\frac{p_l - p_\infty}{q_\infty}$
M	Mach number
R	Reynolds number, based on body length
d	diameter
l	length
p	static pressure
P_t	total pressure
q	dynamic pressure, $\frac{\gamma p M^2}{2}$
t	total temperature, $^{\circ}F$
β	afterbody boattail angle, deg
γ	ratio of specific heats

Subscripts:

b	base
j	jet
∞	free stream
l	local
max	model maximum

APPARATUS AND TESTS

Wind Tunnel

These investigations were conducted in the Langley 8-foot transonic tunnel which has a dodecagonal, slotted test section that permitted continuous testing up to a Mach number of approximately 1.10 for these models. The tunnel is vented to the atmosphere through an air-exchange tower which permits the exhausting of combustion gases from the model into the stream with no detrimental effects on the characteristics of the stream. Maximum deviation from the indicated free-stream Mach number is ± 0.003 (ref. 3).

Models

The models used in these investigations were bodies of revolution, the rear portions of which were removed to provide an exit for the jet. These bodies had fineness ratios from 10.0 to 10.7. A single forebody (see table I) was used throughout and the model design allowed the ready interchange of afterbodies of various geometric shape. The models were mounted in the tunnel by means of two support struts. These support struts, with a chord of 11.25 inches and an NACA 65-010 airfoil section measured parallel to the airstream, were placed so that the leading edge intersected the body at a point 21.7 inches from the nose and were swept back 45° . A sketch of the general arrangement of the model in the tunnel is shown in figure 1.

Presented in table II is the equation utilized to define the external shapes of the afterbodies investigated. Also shown are the design points used to assign values to the equation. The ordinates from which the body shapes were constructed are given in table I. Drawings of the afterbody shapes are shown in figure 2. The models were instrumented with base-pressure orifices and with three rows of static-pressure orifices located at 0° , 45° , and 72° from the plane of symmetry as shown in figure 1.

Turbojet Simulator

Contained within the models was a device for the simulation of a turbojet exhaust which burns a mixture of ethylene and air and exhausts the combustion products through a sonic nozzle. Details of the simulator are given in reference 1.

Tests and Measurements

The models were tested at an angle of attack of 0° throughout the Mach number range from 0.80 to 1.10. At each test Mach number the jet pressure ratio was varied from a no-flow condition to 11 or to the maximum obtainable at jet temperatures of "cold," 800° F, and $1,200^\circ$ F. The term "cold" flow is used herein to define the temperature of the air coming from the source, normally 75° to 80° F, and corresponds to a fuel-air ratio of 0. The Reynolds number based on body length varied from 15.0×10^6 to 17.4×10^6 . (See fig. 3.)

At each test point, body-pressure distributions, base pressures, and free-stream conditions were photographically recorded from multiple-tube manometers. Tunnel total temperature was obtained from a recording potentiometer.

Jet total pressure was obtained from a calibrated probe mounted in the combustion chamber and was referenced to a static-pressure orifice on the tunnel wall for the determination of jet pressure ratio. Jet temperature was obtained from a shielded chromel-alumel thermocouple near the exit station. All values defining the jet condition were photographically recorded by a camera synchronized with that used to record pressure data.

RESULTS AND DISCUSSION

Presented in table III are the measured values of local-pressure coefficient at each test condition over each afterbody depicted in figure 2. Measured values of base-pressure coefficient for these afterbodies have been published in references 1 and 2. In table IV are presented the pressure distributions over the model forebody obtained in conjunction with afterbodies I and VI. These two configurations were arbitrarily chosen to indicate that large changes in conditions over the afterbody caused no change in the forebody distribution.

In figure 4 are presented the variations in local-pressure coefficient along the 0° meridian of each afterbody for several representative jet pressure ratios. This row has been selected as typical since it may be observed that over the rear portions of the bodies, downstream of the local flow field of the strut, the measurements are generally the same for each row within the experimental accuracy of the data (normally ± 0.005).

In the pressure distributions over afterbody IE it will be seen that a displacement of the local pressures occurs rearward of the extension parting line. Since this displacement did not occur for the no-jet-flow

condition, it may be assumed that the displacement is due to leakage through this juncture. The curves in figure 4(a) have consequently been faired accordingly.

As was noted in reference 2, at a Mach number of 1.10, a disturbance originating at the support-body juncture was reflected from the tunnel wall to strike the models at a point varying from about $x/l_{\max} = 0.90$ to $x/l_{\max} = 0.97$ depending on body length (approximately 1 to 4 jet diameters upstream of the base). This reflected disturbance resulted in more positive local pressures and, consequently, in lower drag values. While the absolute values of local-pressure coefficient are incorrect in the region of this disturbance, examination of the drag values indicated no alterations of the jet effects which could be attributed to the disturbance. It will be observed that the effect of this disturbance is more readily apparent on those bodies which have cylindrical shape or which closely approach this shape (see afterbodies X, XII, XIII, and XIV). It is on these bodies, however, that the drag contribution of the boattail is reduced in proportion to the contribution of the body base.

The effect of the jet is confined generally to the rearmost 15 to 20 percent of the body length. For the low-drag shapes, bodies with extensive low-angle boattailing (8° to 16°) and small base annulus sizes ($d_j/d_b \approx 0.5$ or larger), external expansion of the jet at pressure ratios of about 3 and higher resulted in an outward deflection of the external stream which caused an increase in pressure over the rear portion of the bodies with the accompanying drag reduction (see, for example, afterbodies I and XI). For the blunt shapes, bodies with lesser extent of boattailing and large base sizes ($d_j/d_b < 0.5$), the action of the jet was to aspirate the low-energy regions at the rear of these bodies to lower pressures with a resulting increase in drag (see, for example, afterbodies X, XII, and XIII). This unfavorable effect existed with large-based models even though the boattail angle was of a favorable magnitude and increased with increasing jet pressure ratio until the point was reached where the jet deflected the external stream in a favorable manner. The pressure ratio at which the jet interacts with the external stream is dependent on the size of the base annulus, being about 3 for small-based models similar to afterbody I and above the maximum obtainable during this investigation for a cylindrical shape such as afterbody X.

The effect of increasing jet temperature was generally to cause a pressure increase in the region of the body base. For the low-drag shapes, this effect was so small as to be considered negligible. For the blunt shapes, however, the effects of changes in temperature became significant.

Reference 2 indicated that no major variation in the character of the jet effects on drag resulted due to changes in stream Mach number within the range of this investigation. The pressure distributions evidence a trend towards a lesser extent of the body surface being affected as the Mach number was increased.

CONCLUDING REMARKS

From pressure-distribution measurements made over the surfaces of a related series of afterbodies as influenced by a propulsive jet, the following observations are made:

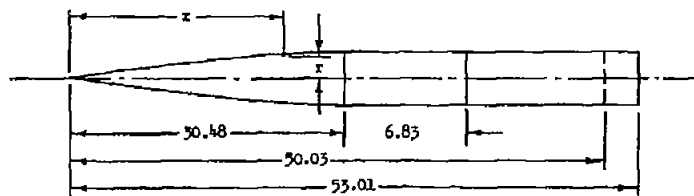
1. The effect of the jet on local body-surface pressures was confined generally to the rearmost 15 to 20 percent of the length for bodies with fineness ratios of the order of 10.
2. For bodies with large extents of low-angle boattailing and small base sizes, the effect of the jet was to increase the local pressure in the vicinity of the base.
3. For bodies with lesser extents of boattailing and large base sizes, the predominate effect of the jet within the range of this investigation was to reduce the local pressures in the vicinity of the base.
4. Increasing jet temperature from cold to 1,200° F resulted in a local-pressure increase which was negligible for the low-drag shapes but which became significant for the more blunt shapes.
5. Increases in stream Mach number tended to reduce the extent of body surface influenced by the jet.

Langley Aeronautical Laboratory,
National Advisory Committee for Aeronautics,
Langley Field, Va., October 19, 1956.

REFERENCES

1. Henry, Beverly Z., Jr., and Cahn, Maurice S.: Preliminary Results of an Investigation at Transonic Speeds To Determine the Effects of a Heated Propulsive Jet on the Drag Characteristics of a Related Series of Afterbodies. NACA RM L55A24a, 1955.
2. Henry, Beverly Z., Jr., and Cahn, Maurice S.: Additional Results of an Investigation at Transonic Speeds To Determine the Effects of a Heated Propulsive Jet on the Drag Characteristics of a Series of Related Afterbodies. NACA RM L56G12, 1956.
3. Ritchie, Virgil S., and Pearson, Albin O.: Calibration of the Slotted Test Section of the Langley 8-Foot Transonic Tunnel and Preliminary Experimental Investigation of Boundary-Reflected Disturbances. NACA RM L51K14, 1952.

TABLE I.- BODY ORDINATES



Forebody Ordinates

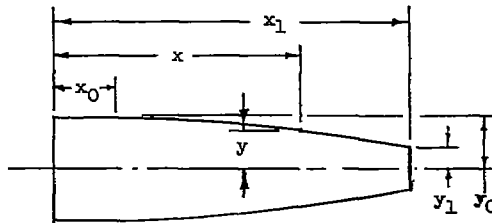
Station, x, in.	Radius, r, in.	Station, x, in.	Radius, r, in.
0.50	0.139	12.00	1.854
.45	.179	15.00	2.079
-.75	.257	18.00	2.245
1.50	.455	21.00	2.360
5.00	.725	24.00	2.438
4.50	.968	27.00	2.486
6.00	1.183	30.00	2.500
9.00	1.556	30.48	2.500

Afterbody Ordinates

Station, x, in.	Radius, r, in.													
	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV
30.48	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500
33.12	-----	-----	-----	-----	-----	-----	-----	-----	2.478	-----	-----	-----	-----	-----
36.12	-----	-----	-----	-----	-----	-----	-----	-----	2.414	-----	-----	-----	-----	-----
37.51	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500
39.12	-----	-----	-----	-----	-----	-----	-----	-----	2.505	-----	-----	-----	-----	-----
40.12	2.500	2.500	-----	2.499	2.500	-----	2.500	-----	-----	2.500	-----	-----	-----	-----
42.12	2.469	2.499	-----	2.446	2.488	2.500	2.492	2.500	2.437	-----	2.278	-----	-----	-----
44.12	2.364	2.458	2.500	2.299	2.414	2.498	2.419	2.484	-----	-----	2.030	-----	-----	-----
45.12	-----	-----	-----	-----	-----	-----	-----	-----	1.877	-----	-----	-----	-----	-----
46.12	2.176	2.350	2.496	2.031	2.211	2.469	2.260	2.381	-----	-----	1.777	2.500	2.500	-----
48.12	1.907	2.150	2.459	1.694	1.814	2.235	2.006	2.175	1.516	-----	1.506	2.432	2.499	-----
50.05	-----	-----	-----	1.182	1.182	1.182	-----	-----	1.257	-----	-----	-----	-----	2.500
50.12	1.534	1.752	2.268	-----	-----	-----	1.654	1.854	-----	-----	1.235	2.214	2.392	-----
52.12	1.515	1.490	2.015	-----	-----	-----	1.440	1.650	-----	-----	1.098	2.045	2.259	-----
52.12	1.075	1.172	1.545	-----	-----	-----	1.201	1.416	-----	-----	.960	1.825	2.067	-----
53.01	.856	.856	.856	-----	-----	-----	.865	1.122	-----	2.500	.856	1.600	1.845	-----

TABLE II.- AFTERBODY DESIGN

Equation:

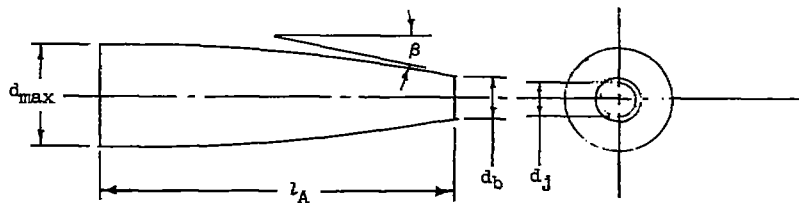


$$y = y_0 - (y_0 - y_1) \left(\frac{x - x_0}{x_1 - x_0} \right)^{7.747} \tan \beta$$

where:

- x = any afterbody station
- x₁ = body base station
- x₀ = body tangency point
- y = radius at station x
- y₁ = body base radius
- y₀ = maximum body radius
- β = boattail angle
- $\frac{x_1 - x_0}{y_0 - y_1} = \text{Constant} = 7.747$

Design points:



Afterbody	d _{max} , in.	l _A , in.	β, deg	d _j , in.	d _b , in.	$\frac{d_j}{d_b}$	$\frac{d_j}{d_{max}}$	x ₀ , in.
IE	5.0	16.40	16	1.240	1.240	1.000	0.248	2.81
I	5.0	15.70	16	1.240	1.672	.742	.248	2.81
II	5.0	15.70	24	1.240	1.672	.742	.248	2.81
III	5.0	15.70	45	1.240	1.672	.742	.248	2.81
IV	5.0	12.72	16	1.754	2.364	.742	.351	2.51
V	5.0	12.72	24	1.754	2.364	.742	.351	2.51
VI	5.0	12.72	45	1.754	2.364	.742	.351	2.51
VII	5.0	15.70	16	1.240	1.930	.643	.248	3.81
VIII	5.0	15.70	16	1.240	2.364	.525	.248	5.49
IX	5.0	19.55	7.7	1.754	2.513	.698	.351	Not defined by this equation
X	5.0	15.70	0	1.240	5.000	.248	.248	15.70
XI	5.0	15.70	8	1.240	1.672	.742	.248	2.81
XII	5.0	15.70	16	1.240	3.200	.388	.248	8.75
XIII	5.0	15.70	16	1.240	3.690	.336	.248	10.63
XIV	5.0	12.72	0	1.754	5.000	.351	.351	12.72

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS

(a) Afterbody II

$t_3 = \text{Cold}$

$\frac{x}{d}$	$\frac{x}{x_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,3}/P_\infty = 1.07$			$P_{c,3}/P_\infty = 1.00$			$P_{c,3}/P_\infty = 1.09$			$P_{c,3}/P_\infty = 1.00$		
12.56	0.710	-0.041	-0.031	-0.023	-0.036	-0.028	-0.019	-0.101	-0.093	-0.085	-0.096	-0.092	-0.045
10.96	.747	-0.078	-0.070	-0.068	-0.082	-0.075	-0.071	-0.109	-0.105	-0.103	-0.103	-0.076	-0.069
9.36	.784	-0.122	-0.117	-0.112	-0.127	-0.126	-0.122	-0.176	-0.174	-0.168	-0.168	-0.139	-0.132
7.75	.821	-0.130	-0.125	-0.120	-0.145	-0.149	-0.149	-0.226	-0.224	-0.220	-0.207	-0.199	-0.205
6.11	.859	-0.095	-0.092	-0.092	-0.110	-0.108	-0.108	-0.270	-0.266	-0.268	-0.229	-0.221	-0.223
4.50	.896	-0.043	-0.045	-0.046	-0.045	-0.045	-0.047	-0.258	-0.260	-0.260	-0.234	-0.230	-0.232
2.90	.933	.023	.021	.019	.021	.021	.026	-0.110	-0.108	-0.108	-0.083	-0.080	-0.089
2.08	.952	.065	.065	.065	.078	.076	.074	-0.197	-0.195	-0.195	-0.160	-0.155	-0.161
1.30	.970	.112	.110	.107	.126	.124	.122	-0.190	-0.190	-0.190	-0.110	-0.110	-0.110
.87	.980	.132	.130	.128	.148	.146	.144	-0.204	-0.204	-0.206	-0.130	-0.128	-0.132
.74	.985	.140	.140	.142	.154	.156	.156	-0.208	-0.210	-0.212	-0.136	-0.137	-0.139
.59	.991	.154	.154	.154	.169	.169	.169	-0.216	-0.216	-0.218	-0.148	-0.148	-0.150
.17	.996	.162	.162	.162	.178	.178	.178	-0.220	-0.222	-0.222	-0.156	-0.156	-0.158
		$P_{c,3}/P_\infty = 1.87$			$P_{c,3}/P_\infty = 1.98$			$P_{c,3}/P_\infty = 2.01$			$P_{c,3}/P_\infty = 1.98$		
12.56	.710	-0.038	-0.021	-0.021	-0.035	-0.028	-0.017	-0.105	-0.097	-0.087	-0.094	-0.049	-0.045
10.96	.747	-0.075	-0.068	-0.065	-0.080	-0.074	-0.071	-0.111	-0.107	-0.105	-0.075	-0.064	-0.062
9.36	.784	-0.117	-0.112	-0.110	-0.131	-0.126	-0.120	-0.180	-0.174	-0.170	-0.157	-0.135	-0.130
7.75	.821	-0.127	-0.123	-0.120	-0.147	-0.147	-0.147	-0.250	-0.250	-0.250	-0.207	-0.200	-0.205
6.11	.859	-0.090	-0.088	-0.090	-0.105	-0.104	-0.104	-0.272	-0.268	-0.270	-0.227	-0.220	-0.222
4.50	.896	-0.028	-0.028	-0.028	-0.029	-0.029	-0.041	-0.123	-0.120	-0.120	-0.094	-0.093	-0.231
2.90	.933	.025	.023	.021	.023	.021	.027	-0.125	-0.121	-0.117	-0.068	-0.064	-0.059
2.08	.952	.085	.085	.078	.095	.095	.091	-0.171	-0.169	-0.169	-0.095	-0.092	-0.090
1.30	.970	.137	.137	.128	.151	.149	.149	-0.204	-0.205	-0.206	-0.139	-0.140	-0.140
.87	.980	.164	.164	.167	.180	.180	.180	-0.218	-0.220	-0.222	-0.157	-0.159	-0.161
.74	.985	.174	.179	.179	.188	.193	.193	-0.224	-0.226	-0.226	-0.162	-0.166	-0.168
.59	.991	.196	.196	.199	.206	.208	.210	-0.230	-0.230	-0.233	-0.173	-0.173	-0.177
.17	.996	.211	.211	.216	.221	.221	.225	-0.235	-0.235	-0.241	-0.179	-0.181	-0.186
		$P_{c,3}/P_\infty = 2.94$			$P_{c,3}/P_\infty = 2.95$			$P_{c,3}/P_\infty = 3.00$			$P_{c,3}/P_\infty = 2.95$		
12.56	.710	-0.041	-0.031	-0.023	-0.037	-0.028	-0.019	-0.101	-0.095	-0.085	-0.098	-0.090	-0.045
10.96	.747	-0.078	-0.070	-0.068	-0.082	-0.075	-0.071	-0.108	-0.105	-0.101	-0.076	-0.067	-0.065
9.36	.784	-0.120	-0.115	-0.110	-0.141	-0.136	-0.132	-0.177	-0.175	-0.169	-0.158	-0.139	-0.131
7.75	.821	-0.127	-0.122	-0.122	-0.154	-0.147	-0.147	-0.250	-0.250	-0.250	-0.208	-0.201	-0.205
6.11	.859	-0.092	-0.090	-0.090	-0.106	-0.104	-0.105	-0.270	-0.266	-0.268	-0.229	-0.223	-0.223
4.50	.896	-0.028	-0.028	-0.041	-0.029	-0.029	-0.041	-0.099	-0.105	-0.110	-0.226	-0.230	-0.234
2.90	.933	.024	.024	.029	.025	.025	.039	-0.130	-0.128	-0.124	-0.058	-0.058	-0.063
2.08	.952	.085	.081	.078	.097	.095	.095	-0.175	-0.175	-0.175	-0.086	-0.082	-0.080
1.30	.970	.140	.140	.135	.154	.154	.151	-0.206	-0.210	-0.210	-0.139	-0.137	-0.141
.87	.980	.167	.174	.172	.182	.187	.186	-0.222	-0.222	-0.222	-0.158	-0.161	-0.165
.74	.985	.177	.197	.187	.190	.206	.199	-0.226	-0.234	-0.234	-0.163	-0.169	-0.169
.59	.991	.187	.195	.187	.203	.188	.205	-0.230	-0.216	-0.226	-0.169	-0.161	-0.172
.17	.996	.204	.199	.209	.219	.216	.225	-0.236	-0.234	-0.242	-0.178	-0.176	-0.182
		$P_{c,3}/P_\infty = 5.01$			$P_{c,3}/P_\infty = 4.94$			$P_{c,3}/P_\infty = 5.04$			$P_{c,3}/P_\infty = 4.95$		
12.56	.710	-0.028	-0.028	-0.021	-0.027	-0.028	-0.017	-0.105	-0.097	-0.089	-0.096	-0.051	-0.045
10.96	.747	-0.075	-0.068	-0.065	-0.080	-0.074	-0.071	-0.110	-0.105	-0.102	-0.076	-0.069	-0.065
9.36	.784	-0.117	-0.114	-0.107	-0.141	-0.136	-0.130	-0.179	-0.175	-0.171	-0.159	-0.130	-0.132
7.75	.821	-0.124	-0.119	-0.119	-0.154	-0.147	-0.147	-0.260	-0.252	-0.254	-0.209	-0.201	-0.205
6.11	.859	-0.090	-0.087	-0.087	-0.104	-0.102	-0.104	-0.272	-0.268	-0.270	-0.229	-0.223	-0.223
4.50	.896	-0.026	-0.025	-0.026	-0.027	-0.027	-0.029	-0.110	-0.118	-0.126	-0.236	-0.233	-0.235
2.90	.933	.041	.041	.026	.020	.025	.045	-0.128	-0.125	-0.124	-0.049	-0.041	-0.056
2.08	.952	.095	.090	.088	-0.106	-0.104	-0.102	-0.175	-0.175	-0.175	-0.095	-0.089	-0.089
1.30	.970	.154	.157	.152	.167	.169	.164	-0.208	-0.212	-0.214	-0.144	-0.148	-0.148
.87	.980	.189	.201	.191	.197	.210	.206	-0.222	-0.230	-0.232	-0.161	-0.168	-0.170
.74	.985	.201	.226	.209	.205	.234	.228	-0.224	-0.228	-0.238	-0.166	-0.177	-0.177
.59	.991	.182	.198	.196	.208	.194	.188	-0.224	-0.201	-0.210	-0.168	-0.161	-0.168
.17	.996	.204	.172	.214	.209	.208	.227	-0.232	-0.224	-0.236	-0.177	-0.170	-0.183
		$P_{c,3}/P_\infty = 6.97$			$P_{c,3}/P_\infty = 7.01$			$P_{c,3}/P_\infty = 6.97$			$P_{c,3}/P_\infty = 7.01$		
12.56	.710							-0.103	-0.097	-0.089	-0.094	-0.049	-0.045
10.96	.747							-0.110	-0.105	-0.105	-0.075	-0.064	-0.065
9.36	.784							-0.179	-0.175	-0.169	-0.157	-0.135	-0.130
7.75	.821							-0.258	-0.250	-0.252	-0.209	-0.200	-0.205
6.11	.859							-0.272	-0.268	-0.270	-0.227	-0.222	-0.223
4.50	.896							-0.079	-0.065	-0.069	-0.225	-0.231	-0.235
2.90	.933							.156	.136	.134	.061	.065	.058
2.08	.952							.183	.183	.181	.101	.102	.104
1.30	.970							.218	.220	.222	.155	.157	.159
.87	.980							.250	.238	.240	.170	.177	.179
.74	.985							.252	.244	.246	.173	.183	.186
.59	.991							.224	.206	.214	.168	.167	.170
.17	.996							.228	.228	.226	.183	.173	.180

REPRODUCED FROM NACA REPORT L56K05

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(a) Afterbody IX - Concluded

$t_2 = 1,200^\circ F$

$\frac{x}{L}$	$\frac{K}{t_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,2}/P_\infty = 2.00$			$P_{t,2}/P_\infty = 2.05$			$P_{t,2}/P_\infty = 1.97$			$P_{t,2}/P_\infty = 1.96$		
12.56	0.710	-0.038	-0.051	-0.021	-0.037	-0.028	-0.017	-0.107	-0.101	-0.091	-0.054	-0.047	-0.041
10.96	.747	-0.075	-0.068	-0.066	-0.080	-0.074	-0.071	-0.115	-0.109	-0.107	-0.074	-0.063	-0.062
9.36	.784	-0.117	-0.115	-0.110	-0.121	-0.114	-0.110	-0.122	-0.116	-0.115	-0.135	-0.131	-0.130
7.75	.821	-0.127	-0.122	-0.122	-0.131	-0.125	-0.125	-0.126	-0.124	-0.126	-0.197	-0.199	-0.205
6.11	.859	-0.093	-0.090	-0.090	-0.104	-0.102	-0.104	-0.176	-0.172	-0.174	-0.227	-0.222	-0.225
4.50	.896	-0.028	-0.028	-0.028	-0.039	-0.039	-0.041	-0.114	-0.112	-0.112	-0.152	-0.152	-0.153
2.90	.933	0.025	0.025	0.021	0.045	0.045	0.049	-0.119	-0.117	-0.115	-0.051	-0.056	-0.055
2.08	.952	0.085	0.082	0.080	0.097	0.095	0.099	-0.167	-0.167	-0.167	0.087	0.089	0.084
1.30	.970	0.139	0.136	0.134	0.158	0.151	0.149	-0.200	-0.200	-0.202	0.141	0.141	0.142
.87	.980	0.167	0.164	0.164	0.184	0.174	0.177	-0.212	-0.212	-0.212	0.157	0.157	0.151
.74	.983	0.175	0.176	0.178	0.198	0.188	0.190	-0.216	-0.216	-0.218	0.163	0.165	0.166
.59	.991	0.195	0.196	0.198	0.208	0.210	0.212	-0.224	-0.224	-0.220	0.174	0.176	0.179
.17	.996	0.208	0.210	0.215	0.219	0.220	0.225	-0.230	-0.232	-0.235	0.179	0.183	0.185
		$P_{t,2}/P_\infty = 3.01$			$P_{t,2}/P_\infty = 3.01$			$P_{t,2}/P_\infty = 3.02$			$P_{t,2}/P_\infty = 2.98$		
12.56	.710	-0.038	-0.031	-0.021	-0.037	-0.028	-0.019	-0.105	-0.099	-0.091	-0.054	-0.049	-0.041
10.96	.747	-0.075	-0.068	-0.065	-0.082	-0.076	-0.071	-0.110	-0.105	-0.105	-0.074	-0.065	-0.065
9.36	.784	-0.117	-0.112	-0.107	-0.121	-0.114	-0.110	-0.121	-0.115	-0.115	-0.137	-0.132	-0.130
7.75	.821	-0.125	-0.120	-0.120	-0.129	-0.123	-0.123	-0.122	-0.120	-0.122	-0.199	-0.199	-0.205
6.11	.859	-0.090	-0.089	-0.088	-0.105	-0.104	-0.104	-0.175	-0.170	-0.172	-0.227	-0.222	-0.225
4.50	.896	-0.036	-0.036	-0.036	-0.049	-0.049	-0.041	-0.118	-0.112	-0.112	-0.154	-0.151	-0.153
2.90	.933	0.028	0.028	0.023	0.045	0.045	0.049	-0.124	-0.122	-0.120	-0.051	-0.056	-0.055
2.08	.952	0.087	0.085	0.082	0.097	0.097	0.099	-0.171	-0.169	-0.169	0.087	0.084	0.082
1.30	.970	0.141	0.134	0.132	0.154	0.144	0.147	-0.203	-0.203	-0.203	0.157	0.157	0.151
.87	.980	0.168	0.168	0.171	0.184	0.174	0.177	-0.216	-0.216	-0.218	0.163	0.165	0.166
.74	.983	0.176	0.176	0.185	0.190	0.187	0.190	-0.220	-0.224	-0.226	0.169	0.163	0.165
.59	.991	0.186	0.181	0.188	0.199	0.199	0.201	-0.224	-0.220	-0.228	0.166	0.166	0.170
.17	.996	0.198	0.200	0.208	0.210	0.212	0.221	-0.230	-0.228	-0.236	0.172	0.174	0.179
		$P_{t,2}/P_\infty = 4.98$			$P_{t,2}/P_\infty = 4.96$			$P_{t,2}/P_\infty = 5.02$			$P_{t,2}/P_\infty = 5.00$		
12.56	.710	-0.038	-0.031	-0.021	-0.037	-0.028	-0.019	-0.107	-0.101	-0.091	-0.055	-0.050	-0.044
10.96	.747	-0.075	-0.068	-0.065	-0.080	-0.074	-0.071	-0.113	-0.109	-0.107	-0.076	-0.065	-0.065
9.36	.784	-0.117	-0.112	-0.107	-0.128	-0.124	-0.128	-0.122	-0.116	-0.116	-0.138	-0.134	-0.131
7.75	.821	-0.124	-0.119	-0.119	-0.149	-0.145	-0.145	-0.122	-0.124	-0.124	-0.201	-0.204	-0.204
6.11	.859	-0.088	-0.087	-0.087	-0.104	-0.102	-0.102	-0.176	-0.172	-0.174	-0.228	-0.223	-0.225
4.50	.896	-0.033	-0.033	-0.036	-0.047	-0.047	-0.049	-0.109	-0.113	-0.112	-0.152	-0.150	-0.154
2.90	.933	0.043	0.041	0.036	0.050	0.050	0.043	-0.128	-0.126	-0.124	-0.025	-0.030	-0.030
2.08	.952	0.095	0.095	0.088	0.106	0.104	0.102	-0.173	-0.173	-0.171	0.098	0.093	0.090
1.30	.970	0.152	0.154	0.149	0.164	0.164	0.162	-0.204	-0.206	-0.206	0.141	0.143	0.145
.87	.980	0.182	0.184	0.186	0.192	0.201	0.197	-0.216	-0.222	-0.224	0.154	0.150	0.152
.74	.983	0.191	0.216	0.201	0.203	0.221	0.210	-0.220	-0.228	-0.228	0.158	0.167	0.167
.59	.991	0.177	0.190	0.182	0.190	0.198	0.197	-0.216	-0.200	-0.208	0.162	0.165	0.165
.17	.996	0.204	0.186	0.211	0.214	0.203	0.225	-0.220	-0.220	-0.232	0.169	0.167	0.178
		$P_{t,2}/P_\infty = 6.97$			$P_{t,2}/P_\infty = 7.00$			$P_{t,2}/P_\infty = 7.00$			$P_{t,2}/P_\infty = 6.99$		
12.56	.710	-0.038	-0.031	-0.021	-0.037	-0.028	-0.019	-0.107	-0.101	-0.091	-0.057	-0.050	-0.044
10.96	.747	-0.075	-0.068	-0.065	-0.080	-0.074	-0.069	-0.113	-0.109	-0.107	-0.076	-0.066	-0.065
9.36	.784	-0.117	-0.112	-0.107	-0.138	-0.134	-0.138	-0.122	-0.116	-0.116	-0.138	-0.134	-0.131
7.75	.821	-0.124	-0.119	-0.119	-0.149	-0.145	-0.145	-0.122	-0.124	-0.124	-0.201	-0.204	-0.204
6.11	.859	-0.088	-0.088	-0.088	-0.102	-0.102	-0.102	-0.176	-0.172	-0.174	-0.228	-0.223	-0.225
4.50	.896	-0.031	-0.031	-0.036	-0.042	-0.042	-0.047	-0.108	-0.111	-0.110	-0.152	-0.150	-0.154
2.90	.933	0.045	0.045	0.040	0.056	0.054	0.050	-0.130	-0.133	-0.132	-0.025	-0.030	-0.030
2.08	.952	0.092	0.097	0.097	0.115	0.113	0.108	-0.173	-0.173	-0.173	0.101	0.099	0.101
1.30	.970	0.165	0.166	0.161	0.177	0.180	0.175	-0.204	-0.210	-0.210	0.143	0.147	0.151
.87	.980	0.195	0.208	0.200	0.205	0.219	0.212	-0.216	-0.224	-0.226	0.158	0.165	0.167
.74	.983	0.205	0.230	0.215	0.216	0.236	0.225	-0.220	-0.232	-0.232	0.162	0.175	0.175
.59	.991	0.198	0.184	0.196	0.194	0.211	0.202	-0.216	-0.200	-0.208	0.160	0.161	0.165
.17	.996	0.200	0.186	0.217	0.214	0.190	0.232	-0.220	-0.221	-0.234	0.171	0.163	0.184
		$P_{t,2}/P_\infty = 8.98$			$P_{t,2}/P_\infty = 9.01$			$P_{t,2}/P_\infty = 9.00$			$P_{t,2}/P_\infty = 8.99$		
12.56	.710	-0.040	-0.032	-0.023	-0.037	-0.028	-0.019	-0.109	-0.101	-0.091	-0.059	-0.051	-0.044
10.96	.747	-0.075	-0.070	-0.067	-0.080	-0.074	-0.071	-0.113	-0.109	-0.107	-0.076	-0.066	-0.066
9.36	.784	-0.117	-0.114	-0.107	-0.138	-0.134	-0.138	-0.122	-0.116	-0.116	-0.138	-0.134	-0.131
7.75	.821	-0.124	-0.122	-0.119	-0.149	-0.145	-0.145	-0.122	-0.122	-0.124	-0.201	-0.204	-0.204
6.11	.859	-0.087	-0.087	-0.087	-0.102	-0.100	-0.100	-0.176	-0.172	-0.174	-0.228	-0.223	-0.225
4.50	.896	-0.030	-0.030	-0.032	-0.030	-0.030	-0.032	-0.101	-0.101	-0.101	-0.152	-0.152	-0.154
2.90	.933	0.022	0.049	0.044	0.063	0.061	0.056	-0.137	-0.135	-0.133	0.022	0.023	0.026
2.08	.952	0.069	0.106	0.104	0.123	0.121	0.117	-0.181	-0.181	-0.181	0.110	0.110	0.112
1.30	.970	0.176	0.178	0.175	0.190	0.195	0.188	-0.210	-0.214	-0.214	0.147	0.153	0.154
.87	.980	0.208	0.223	0.215	0.221	0.232	0.225	-0.222	-0.228	-0.230	0.162	0.169	0.175
.74	.983	0.218	0.238	0.229	0.229	0.244	0.236	-0.228	-0.234	-0.234	0.167	0.176	0.176
.59	.991	0.186	0.096	0.198	0.180	0.181	0.203	-0.205	-0.183	-0.184	0.164	0.164	0.167
.17	.996	0.195	0.196	0.225	0.219	0.195	0.240	-0.220	-0.212	-0.216	0.173	0.166	0.186
		$P_{t,2}/P_\infty = 10.99$			$P_{t,2}/P_\infty = 10.97$			$P_{t,2}/P_\infty = 10.97$			$P_{t,2}/P_\infty = 10.97$		
12.56	.710							-0.109	-0.099	-0.091	-0.059	-0.053	-0.046
10.96	.747							-0.111	-0.107	-0.105	-0.077	-0.068	-0.066
9.36	.784							-0.120	-0.116	-0.112	-0.138	-0.134	-0.132
7.75	.821							-0.125	-0.121	-0.121	-0.201	-0.204	-0.204
6.11	.859							-0.172	-0.168	-0.170	-0.228	-0.223	-0.224
4.50	.896							-0.104	-0.10				

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(b) Afterbody I

$t_1 = \text{Gold}$

x $\frac{x}{d}$	$\frac{x}{\text{max}}$	Pressure coefficients for -												
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$			
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	
		$P_{c,1}/P_\infty = 1.07$			$P_{c,1}/P_\infty = 1.10$			$P_{c,1}/P_\infty = 1.15$			$P_{c,1}/P_\infty = 1.15$			
12.01	0.719	-0.040	-0.031	-0.020	-0.033	-0.026	-0.015	-0.106	-0.093	-0.080	-0.079	-0.050	-0.058	
10.39	.727	-0.074	-0.071	-0.057	-0.078	-0.075	-0.070	-0.109	-0.108	-0.106	-0.073	-0.067	-0.066	
8.76	.732	-0.112	-0.117	-0.124	-0.128	-0.132	-0.137	-0.140	-0.142	-0.143	-0.139	-0.133	-0.131	
7.18	.832	-0.127	-0.128	-0.124	-0.122	-0.118	-0.117	-0.120	-0.122	-0.123	-0.120	-0.115	-0.113	
5.56	.870	-0.091	-0.092	-0.095	-0.099	-0.102	-0.105	-0.107	-0.107	-0.107	-0.107	-0.102	-0.101	
3.93	.908	-0.045	-0.045	-0.048	-0.044	-0.045	-0.049	-0.116	-0.124	-0.134	-0.124	-0.120	-0.111	
2.35	.945	.022	.021	.016	.024	.020	.026	.116	.114	.113	.100	.102	.111	
1.54	.964	.054	.052	.041	.051	.045	.054	.128	.126	.126	.062	.058	.054	
.73	.983	.110	.107	.101	.108	.102	.108	.132	.128	.128	.118	.118	.118	
.30	.993	.131	.127	.122	.124	.124	.125	.205	.207	.209	.137	.137	.137	
.17	.996	.158	.158	.141	.157	.161	.159	.213	.214	.215	.144	.144	.144	
		$P_{c,1}/P_\infty = 1.99$			$P_{c,1}/P_\infty = 1.98$			$P_{c,1}/P_\infty = 1.97$			$P_{c,1}/P_\infty = 2.00$			
12.01	.719	-0.040	-0.029	-0.019	-0.040	-0.031	-0.021	-0.106	-0.095	-0.081	-0.079	-0.050	-0.058	
10.39	.727	-0.070	-0.069	-0.067	-0.081	-0.078	-0.074	-0.110	-0.108	-0.106	-0.078	-0.066	-0.066	
8.76	.732	-0.116	-0.114	-0.113	-0.112	-0.109	-0.106	-0.110	-0.107	-0.105	-0.108	-0.105	-0.105	
7.18	.832	-0.129	-0.129	-0.118	-0.125	-0.121	-0.115	-0.122	-0.124	-0.123	-0.120	-0.115	-0.113	
5.56	.870	-0.091	-0.090	-0.088	-0.098	-0.105	-0.107	-0.109	-0.109	-0.109	-0.109	-0.102	-0.101	
3.93	.908	-0.039	-0.040	-0.044	-0.042	-0.043	-0.046	-0.174	-0.170	-0.178	-0.128	-0.121	-0.124	
2.35	.945	.032	.030	.025	.040	.037	.033	.127	.125	.125	.071	.071	.074	
1.54	.964	.078	.074	.073	.090	.087	.084	.172	.171	.170	.081	.075	.074	
.73	.983	.126	.124	.122	.140	.140	.139	.205	.205	.205	.137	.137	.137	
.30	.993	.147	.144	.146	.164	.164	.164	.218	.217	.218	.153	.153	.156	
.17	.996	.173	.175	.174	.170	.172	.171	.221	.221	.221	.157	.159	.160	
		$P_{c,1}/P_\infty = 2.99$			$P_{c,1}/P_\infty = 2.98$			$P_{c,1}/P_\infty = 3.00$			$P_{c,1}/P_\infty = 2.98$			
12.01	.719	-0.042	-0.032	-0.020	-0.038	-0.028	-0.017	-0.107	-0.094	-0.084	-0.081	-0.051	-0.040	
10.39	.727	-0.074	-0.071	-0.067	-0.079	-0.077	-0.072	-0.112	-0.110	-0.108	-0.074	-0.068	-0.066	
8.76	.732	-0.112	-0.115	-0.113	-0.119	-0.116	-0.114	-0.112	-0.110	-0.108	-0.108	-0.105	-0.105	
7.18	.832	-0.127	-0.124	-0.116	-0.121	-0.117	-0.113	-0.112	-0.110	-0.108	-0.108	-0.105	-0.105	
5.56	.870	-0.095	-0.093	-0.086	-0.104	-0.104	-0.104	-0.111	-0.113	-0.111	-0.108	-0.101	-0.101	
3.93	.908	-0.040	-0.042	-0.042	-0.040	-0.041	-0.046	-0.090	-0.099	-0.108	-0.102	-0.101	-0.101	
2.35	.945	.030	.027	.023	.042	.039	.035	.120	.123	.120	.074	.079	.078	
1.54	.964	.076	.074	.071	.090	.088	.085	.169	.167	.167	.078	.076	.088	
.73	.983	.125	.121	.122	.142	.141	.139	.202	.202	.202	.134	.134	.135	
.30	.993	.144	.144	.144	.164	.162	.164	.214	.214	.216	.150	.153	.154	
.17	.996	.168	.170	.171	.169	.172	.172	.218	.219	.219	.159	.159	.159	
		$P_{c,1}/P_\infty = 3.02$			$P_{c,1}/P_\infty = 4.99$			$P_{c,1}/P_\infty = 5.00$			$P_{c,1}/P_\infty = 5.01$			
12.01	.719	-0.039	-0.030	-0.019	-0.037	-0.028	-0.016	-0.107	-0.095	-0.083	-0.081	-0.048	-0.035	
10.39	.727	-0.073	-0.069	-0.066	-0.078	-0.076	-0.071	-0.113	-0.111	-0.109	-0.071	-0.065	-0.062	
8.76	.732	-0.117	-0.115	-0.112	-0.117	-0.116	-0.112	-0.112	-0.110	-0.108	-0.106	-0.103	-0.103	
7.18	.832	-0.126	-0.125	-0.119	-0.129	-0.126	-0.121	-0.122	-0.120	-0.118	-0.116	-0.113	-0.113	
5.56	.870	-0.091	-0.090	-0.085	-0.105	-0.105	-0.109	-0.111	-0.113	-0.111	-0.107	-0.102	-0.101	
3.93	.908	-0.037	-0.040	-0.042	-0.037	-0.039	-0.043	-0.076	-0.085	-0.089	-0.102	-0.102	-0.102	
2.35	.945	.026	.024	.021	.046	.043	.038	.130	.128	.126	.062	.068	.071	
1.54	.964	.064	.060	.059	.098	.095	.093	.173	.171	.169	.087	.084	.082	
.73	.983	.137	.135	.134	.154	.152	.152	.206	.206	.207	.139	.139	.141	
.30	.993	.164	.160	.163	.179	.177	.180	.218	.217	.219	.156	.157	.159	
.17	.996	.170	.175	.173	.186	.187	.190	.221	.222	.224	.161	.166	.169	
		$P_{c,1}/P_\infty = 5.85 \text{ (max.)}$			$P_{c,1}/P_\infty = 6.56 \text{ (max.)}$			$P_{c,1}/P_\infty = 6.98$			$P_{c,1}/P_\infty = 6.99$			
12.01	.719	-0.040	-0.031	-0.020	-0.039	-0.029	-0.017	-0.106	-0.094	-0.083	-0.080	-0.048	-0.035	
10.39	.727	-0.072	-0.070	-0.066	-0.080	-0.077	-0.073	-0.112	-0.106	-0.103	-0.073	-0.068	-0.065	
8.76	.732	-0.117	-0.119	-0.112	-0.119	-0.117	-0.114	-0.111	-0.109	-0.107	-0.107	-0.103	-0.102	
7.18	.832	-0.124	-0.122	-0.113	-0.130	-0.127	-0.128	-0.125	-0.123	-0.121	-0.121	-0.118	-0.119	
5.56	.870	-0.091	-0.091	-0.084	-0.104	-0.103	-0.098	-0.106	-0.107	-0.106	-0.106	-0.102	-0.101	
3.93	.908	-0.035	-0.037	-0.042	-0.037	-0.039	-0.041	-0.074	-0.085	-0.089	-0.102	-0.102	-0.102	
2.35	.945	.028	.024	.024	.052	.048	.043	.136	.134	.131	.074	.074	.075	
1.54	.964	.068	.064	.062	.105	.102	.100	.177	.177	.177	.097	.094	.095	
.73	.983	.144	.142	.141	.165	.163	.163	.211	.212	.212	.146	.146	.149	
.30	.993	.173	.171	.172	.192	.190	.193	.224	.224	.227	.168	.164	.166	
.17	.996	.181	.183	.184	.201	.205	.205	.228	.230	.232	.168	.169	.172	
		$P_{c,1}/P_\infty = 7.16 \text{ (max.)}$												
12.01	.719											-0.050	-0.051	-0.059
10.39	.727											-0.073	-0.067	-0.066
8.76	.732											-0.119	-0.119	-0.113
7.18	.832											-0.126	-0.120	-0.120
5.56	.870											-0.102	-0.102	-0.101
3.93	.908											-0.032	-0.030	-0.034
2.35	.945											-0.001	-0.008	-0.015
1.54	.964											.112	.109	.109
.73	.983											.158	.157	.161
.30	.993											.173	.173	.177
.17	.996											.178	.181	.184

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(b) Afterbody I - Continued

$t_j = 800^\circ F$

$\frac{x}{d_j}$	$\frac{x}{L_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,1}/P_\infty = 2.00$			$P_{c,1}/P_\infty = 1.98$			$P_{c,1}/P_\infty = 1.96$			$P_{c,1}/P_\infty = 1.96$		
12.01	0.719	-0.059	-0.030	-0.029	-0.059	-0.029	-0.018	-0.107	-0.095	-0.084	-0.097	-0.047	-0.094
10.59	.727	-0.072	-0.070	-0.050	-0.072	-0.077	-0.075	-1.15	-1.11	-1.08	-0.72	-0.64	-0.64
8.76	.755	-0.116	-0.115	-0.112	-0.116	-0.117	-0.114	-1.85	-1.81	-1.78	-1.36	-1.35	-1.32
7.18	.832	-0.125	-0.122	-0.111	-0.120	-0.116	-0.119	-2.64	-2.56	-2.55	-2.08	-2.01	-2.04
5.56	.870	-0.091	-0.090	-0.084	-0.091	-0.090	-0.092	-2.77	-2.74	-2.70	-2.25	-2.22	-2.23
5.23	.908	-0.056	-0.058	-0.042	-0.056	-0.041	-0.045	-2.04	-2.02	-2.07	-2.31	-2.30	-2.35
2.55	.945	0.034	0.032	0.065	0.045	0.040	0.055	1.50	1.26	1.24	-0.53	-0.58	-0.64
1.54	.964	0.030	0.028	0.074	0.059	0.058	0.071	1.70	1.70	1.68	0.88	0.85	0.81
.73	.983	0.150	0.129	0.189	0.145	0.144	0.145	2.05	2.05	2.04	1.80	1.80	1.80
.50	.993	0.152	0.151	0.155	0.168	0.168	0.168	2.17	2.16	2.19	1.98	1.96	1.97
.17	.996	0.158	0.160	0.161	0.175	0.178	0.179	2.21	2.22	2.25	1.65	1.62	1.65
		$P_{c,1}/P_\infty = 2.97$			$P_{c,1}/P_\infty = 3.00$			$P_{c,1}/P_\infty = 2.99$			$P_{c,1}/P_\infty = 2.99$		
12.01	.719	-0.040	-0.029	-0.020	-0.037	-0.027	-0.014	-1.07	-0.94	-0.084	-0.077	-0.046	-0.035
10.59	.727	-0.073	-0.070	-0.067	-0.078	-0.075	-0.070	-1.12	-1.10	-1.08	-0.72	-0.65	-0.65
8.76	.755	-0.117	-0.115	-0.113	-0.126	-0.125	-0.122	-1.82	-1.80	-1.78	-1.37	-1.34	-1.32
7.18	.832	-0.125	-0.123	-0.114	-0.129	-0.126	-0.126	-2.63	-2.55	-2.56	-2.09	-2.01	-2.05
5.56	.870	-0.091	-0.090	-0.084	-0.091	-0.090	-0.099	-2.77	-2.73	-2.66	-2.22	-2.21	-2.17
5.23	.908	-0.058	-0.040	-0.043	-0.058	-0.039	-0.045	-2.05	-2.03	-2.03	-2.35	-2.30	-2.35
2.55	.945	0.033	0.031	0.068	0.044	0.042	0.057	1.28	1.27	1.24	-0.59	-0.65	-0.73
1.54	.964	0.076	0.076	0.074	0.091	0.090	0.090	1.70	1.70	1.69	0.84	0.80	0.78
.73	.983	0.189	0.128	0.127	0.145	0.146	0.146	2.02	2.02	2.04	1.56	1.57	1.58
.50	.993	0.149	0.150	0.153	0.168	0.172	0.172	2.16	2.15	2.18	1.93	1.94	1.95
.17	.996	0.157	0.159	0.161	0.175	0.178	0.180	2.20	2.20	2.22	1.59	1.61	1.61
		$P_{c,1}/P_\infty = 5.00$			$P_{c,1}/P_\infty = 5.00$			$P_{c,1}/P_\infty = 4.98$			$P_{c,1}/P_\infty = 4.99$		
12.01	.719	-0.039	-0.031	-0.019	-0.037	-0.027	-0.015	-1.08	-0.95	-0.089	-0.068	-0.047	-0.036
10.59	.727	-0.072	-0.070	-0.065	-0.078	-0.075	-0.071	-1.13	-1.11	-1.09	-0.72	-0.66	-0.65
8.76	.755	-0.115	-0.115	-0.111	-0.127	-0.125	-0.125	-1.85	-1.80	-1.78	-1.37	-1.35	-1.35
7.18	.832	-0.125	-0.122	-0.112	-0.126	-0.125	-0.126	-2.64	-2.56	-2.57	-2.08	-2.01	-2.05
5.56	.870	-0.091	-0.089	-0.086	-0.091	-0.090	-0.101	-2.77	-2.73	-2.67	-2.22	-2.21	-2.11
5.23	.908	-0.052	-0.059	-0.046	-0.054	-0.038	-0.042	-2.05	-2.06	-2.07	-2.34	-2.31	-2.34
2.55	.945	0.034	0.034	0.030	0.048	0.045	0.058	1.50	1.28	1.26	-0.49	-0.56	-0.63
1.54	.964	0.089	0.082	0.080	0.096	0.095	0.094	1.72	1.70	1.70	0.88	0.85	0.85
.73	.983	0.197	0.137	0.137	0.154	0.153	0.154	2.04	2.04	2.05	1.80	1.80	1.82
.50	.993	0.165	0.162	0.166	0.178	0.179	0.183	2.17	2.17	2.20	1.56	1.58	1.58
.17	.996	0.171	0.173	0.177	0.187	0.189	0.195	2.21	2.23	2.26	1.62	1.63	1.64
		$P_{c,1}/P_\infty = 6.98$			$P_{c,1}/P_\infty = 6.99$			$P_{c,1}/P_\infty = 6.97$			$P_{c,1}/P_\infty = 7.02$		
12.01	.719	-0.040	-0.031	-0.020	-0.037	-0.028	-0.014	-1.08	-0.94	-0.088	-0.079	-0.049	-0.036
10.59	.727	-0.073	-0.070	-0.066	-0.078	-0.076	-0.071	-1.13	-1.11	-1.08	-0.72	-0.67	-0.64
8.76	.755	-0.117	-0.115	-0.113	-0.126	-0.125	-0.122	-1.85	-1.81	-1.78	-1.36	-1.35	-1.34
7.18	.832	-0.127	-0.122	-0.114	-0.127	-0.125	-0.126	-2.64	-2.56	-2.57	-2.09	-2.01	-2.07
5.56	.870	-0.091	-0.089	-0.084	-0.091	-0.090	-0.102	-2.77	-2.73	-2.67	-2.22	-2.21	-2.15
5.23	.908	-0.052	-0.059	-0.046	-0.054	-0.038	-0.042	-2.05	-2.06	-2.07	-2.34	-2.31	-2.35
2.55	.945	0.034	0.034	0.030	0.048	0.045	0.058	1.50	1.28	1.26	-0.49	-0.56	-0.63
1.54	.964	0.089	0.082	0.080	0.096	0.095	0.094	1.72	1.70	1.70	0.88	0.85	0.85
.73	.983	0.197	0.137	0.137	0.154	0.153	0.154	2.04	2.04	2.05	1.80	1.80	1.82
.50	.993	0.165	0.162	0.166	0.178	0.179	0.183	2.17	2.17	2.20	1.56	1.58	1.58
.17	.996	0.171	0.173	0.177	0.187	0.189	0.195	2.21	2.23	2.26	1.62	1.63	1.64
		$P_{c,1}/P_\infty = 8.98$			$P_{c,1}/P_\infty = 8.97$			$P_{c,1}/P_\infty = 8.98$			$P_{c,1}/P_\infty = 8.99$		
12.01	.719	-0.039	-0.031	-0.020	-0.037	-0.027	-0.014	-1.08	-0.95	-0.089	-0.068	-0.047	-0.036
10.59	.727	-0.072	-0.070	-0.066	-0.078	-0.075	-0.070	-1.13	-1.11	-1.09	-0.72	-0.66	-0.64
8.76	.755	-0.117	-0.115	-0.113	-0.126	-0.125	-0.122	-1.85	-1.81	-1.78	-1.36	-1.35	-1.35
7.18	.832	-0.127	-0.122	-0.114	-0.127	-0.125	-0.126	-2.64	-2.56	-2.57	-2.09	-2.01	-2.07
5.56	.870	-0.091	-0.089	-0.084	-0.091	-0.090	-0.102	-2.77	-2.73	-2.67	-2.22	-2.21	-2.15
5.23	.908	-0.052	-0.059	-0.046	-0.054	-0.038	-0.042	-2.05	-2.06	-2.07	-2.34	-2.31	-2.35
2.55	.945	0.034	0.034	0.030	0.048	0.045	0.058	1.50	1.28	1.26	-0.49	-0.56	-0.63
1.54	.964	0.089	0.082	0.080	0.096	0.095	0.094	1.72	1.70	1.70	0.88	0.85	0.85
.73	.983	0.197	0.137	0.137	0.154	0.153	0.154	2.04	2.04	2.05	1.80	1.80	1.82
.50	.993	0.165	0.162	0.166	0.178	0.179	0.183	2.17	2.17	2.20	1.56	1.58	1.58
.17	.996	0.171	0.173	0.177	0.187	0.189	0.195	2.21	2.23	2.26	1.62	1.63	1.64
		$P_{c,1}/P_\infty = 10.99$			$P_{c,1}/P_\infty = 10.99$			$P_{c,1}/P_\infty = 10.99$			$P_{c,1}/P_\infty = 10.99$		
12.01	.719	-0.039	-0.031	-0.020	-0.037	-0.027	-0.014	-1.08	-0.95	-0.089	-0.068	-0.047	-0.036
10.59	.727	-0.072	-0.070	-0.066	-0.078	-0.075	-0.070	-1.13	-1.11	-1.09	-0.72	-0.66	-0.64
8.76	.755	-0.117	-0.115	-0.113	-0.126	-0.125	-0.122	-1.85	-1.81	-1.78	-1.36	-1.35	-1.35
7.18	.832	-0.127	-0.122	-0.114	-0.127	-0.125	-0.126	-2.64	-2.56	-2.57	-2.09	-2.01	-2.07
5.56	.870	-0.091	-0.089	-0.084	-0.091	-0.090	-0.102	-2.77	-2.73	-2.67	-2.22	-2.21	-2.15
5.23	.908	-0.052	-0.059	-0.046	-0.054	-0.038	-0.042	-2.05	-2.06	-2.07	-2.34	-2.31	-2.35
2.55	.945	0.034	0.034	0.030	0.048	0.045	0.058	1.50	1.28	1.26	-0.49	-0.56	-0.63
1.54	.964	0.089	0.082	0.080	0.096	0.095	0.094	1.72	1.70	1.70	0.88	0.85	0.85
.73	.983	0.197	0.137	0.137	0.154	0.153	0.154	2.04	2.04	2.05	1.80	1.80	1.82
.50	.993	0.165	0.162	0.166	0.178	0.179	0.183	2.17	2.17	2.20	1.56	1.58	1.58
.17	.996	0.171	0.173	0.177	0.187	0.189	0.195	2.21	2.23	2.26	1.62	1.63	1.64

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TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(b) Afterbody I - Concluded

$t_j = 1,200^\circ F$

$\frac{x}{d_j}$	$\frac{x}{L_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 75^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 75^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 75^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 75^\circ$
		$P_{c,1}/P_\infty = 2.00$			$P_{c,1}/P_\infty = 1.99$			$P_{c,1}/P_\infty = 2.01$			$P_{c,1}/P_\infty = 1.99$		
12.01	0.719	-0.039	-0.031	-0.018	-0.036	-0.028	-0.015	-0.109	-0.095	-0.083	-0.099	-0.049	-0.037
10.59	.727	-0.072	-0.070	-0.067	-0.078	-0.076	-0.070	-0.111	-0.109	-0.107	-0.075	-0.066	-0.059
8.76	.795	-0.117	-0.116	-0.113	-0.137	-0.136	-0.132	-0.181	-0.179	-0.176	-0.137	-0.132	-0.129
7.18	.832	-0.125	-0.122	-0.122	-0.150	-0.149	-0.144	-0.203	-0.200	-0.200	-0.208	-0.201	-0.204
5.56	.870	-0.091	-0.090	-0.093	-0.104	-0.103	-0.107	-0.276	-0.272	-0.271	-0.226	-0.222	-0.221
3.93	.908	-0.057	-0.056	-0.054	-0.071	-0.069	-0.072	-0.078	-0.090	-0.093	-0.232	-0.230	-0.230
2.35	.945	-0.034	-0.033	-0.028	-0.045	-0.043	-0.047	-0.111	-0.129	-0.126	-0.052	-0.057	-0.056
1.54	.964	-0.021	-0.021	-0.019	-0.025	-0.025	-0.025	-0.173	-0.173	-0.171	-0.086	-0.086	-0.086
.73	.983	-0.132	-0.130	-0.130	-0.149	-0.148	-0.146	-0.207	-0.206	-0.207	-0.136	-0.137	-0.136
.30	.993	-0.296	-0.294	-0.294	-0.317	-0.317	-0.314	-0.219	-0.219	-0.220	-0.155	-0.156	-0.156
.17	.996	-0.164	-0.164	-0.165	-0.200	-0.192	-0.181	-0.224	-0.224	-0.225	-0.160	-0.161	-0.162
		$P_{c,1}/P_\infty = 2.99$			$P_{c,1}/P_\infty = 2.98$			$P_{c,1}/P_\infty = 2.99$			$P_{c,1}/P_\infty = 2.99$		
12.01	.719	-0.038	-0.030	-0.018	-0.037	-0.028	-0.015	-0.109	-0.095	-0.084	-0.097	-0.047	-0.036
10.59	.727	-0.072	-0.069	-0.065	-0.079	-0.077	-0.072	-0.111	-0.109	-0.107	-0.071	-0.065	-0.064
8.76	.795	-0.115	-0.114	-0.112	-0.138	-0.131	-0.132	-0.181	-0.179	-0.177	-0.138	-0.138	-0.129
7.18	.832	-0.128	-0.122	-0.121	-0.150	-0.147	-0.146	-0.203	-0.200	-0.200	-0.209	-0.201	-0.204
5.56	.870	-0.090	-0.089	-0.093	-0.105	-0.104	-0.104	-0.276	-0.272	-0.271	-0.226	-0.222	-0.221
3.93	.908	-0.056	-0.056	-0.042	-0.068	-0.064	-0.068	-0.078	-0.090	-0.090	-0.233	-0.231	-0.236
2.35	.945	-0.035	-0.034	-0.028	-0.044	-0.042	-0.046	-0.127	-0.126	-0.123	-0.059	-0.063	-0.072
1.54	.964	-0.020	-0.019	-0.016	-0.025	-0.022	-0.022	-0.172	-0.169	-0.170	-0.082	-0.082	-0.079
.73	.983	-0.123	-0.120	-0.120	-0.143	-0.143	-0.146	-0.205	-0.205	-0.205	-0.133	-0.137	-0.137
.30	.993	-0.292	-0.292	-0.293	-0.314	-0.314	-0.316	-0.216	-0.217	-0.219	-0.150	-0.153	-0.153
.17	.996	-0.157	-0.161	-0.162	-0.179	-0.179	-0.180	-0.222	-0.222	-0.223	-0.156	-0.157	-0.158
		$P_{c,1}/P_\infty = 3.01$			$P_{c,1}/P_\infty = 2.97$			$P_{c,1}/P_\infty = 2.99$			$P_{c,1}/P_\infty = 2.99$		
12.01	.719	-0.040	-0.031	-0.019	-0.036	-0.026	-0.015	-0.108	-0.095	-0.082	-0.097	-0.048	-0.036
10.59	.727	-0.072	-0.070	-0.066	-0.077	-0.075	-0.070	-0.111	-0.110	-0.107	-0.072	-0.066	-0.064
8.76	.795	-0.116	-0.112	-0.113	-0.137	-0.135	-0.132	-0.181	-0.178	-0.176	-0.137	-0.132	-0.129
7.18	.832	-0.125	-0.122	-0.121	-0.148	-0.145	-0.145	-0.203	-0.200	-0.200	-0.208	-0.201	-0.204
5.56	.870	-0.090	-0.090	-0.092	-0.103	-0.102	-0.102	-0.276	-0.272	-0.272	-0.226	-0.222	-0.224
3.93	.908	-0.056	-0.056	-0.040	-0.068	-0.064	-0.068	-0.077	-0.084	-0.090	-0.232	-0.231	-0.236
2.35	.945	-0.035	-0.034	-0.028	-0.044	-0.042	-0.046	-0.127	-0.126	-0.123	-0.059	-0.063	-0.072
1.54	.964	-0.020	-0.019	-0.016	-0.025	-0.022	-0.022	-0.172	-0.169	-0.170	-0.082	-0.082	-0.079
.73	.983	-0.123	-0.120	-0.120	-0.143	-0.143	-0.146	-0.205	-0.205	-0.205	-0.133	-0.137	-0.137
.30	.993	-0.292	-0.292	-0.293	-0.314	-0.314	-0.316	-0.216	-0.217	-0.219	-0.150	-0.153	-0.153
.17	.996	-0.157	-0.161	-0.162	-0.179	-0.179	-0.180	-0.222	-0.222	-0.223	-0.156	-0.157	-0.158
		$P_{c,1}/P_\infty = 7.03$			$P_{c,1}/P_\infty = 7.00$			$P_{c,1}/P_\infty = 6.99$			$P_{c,1}/P_\infty = 6.87$		
12.01	.719	-0.040	-0.031	-0.020	-0.059	-0.049	-0.016	-0.108	-0.095	-0.082	-0.097	-0.046	-0.034
10.59	.727	-0.076	-0.068	-0.065	-0.090	-0.076	-0.073	-0.111	-0.109	-0.107	-0.071	-0.065	-0.063
8.76	.795	-0.115	-0.113	-0.109	-0.139	-0.137	-0.135	-0.182	-0.179	-0.176	-0.137	-0.131	-0.128
7.18	.832	-0.123	-0.120	-0.120	-0.150	-0.146	-0.146	-0.203	-0.200	-0.200	-0.209	-0.201	-0.204
5.56	.870	-0.087	-0.087	-0.088	-0.104	-0.102	-0.102	-0.276	-0.272	-0.272	-0.226	-0.222	-0.222
3.93	.908	-0.032	-0.032	-0.024	-0.035	-0.037	-0.040	-0.060	-0.069	-0.073	-0.232	-0.230	-0.235
2.35	.945	-0.049	-0.048	-0.043	-0.054	-0.052	-0.046	-0.128	-0.126	-0.123	-0.050	-0.050	-0.042
1.54	.964	-0.107	-0.105	-0.100	-0.109	-0.106	-0.104	-0.181	-0.179	-0.179	-0.097	-0.094	-0.091
.73	.983	-0.172	-0.171	-0.171	-0.169	-0.169	-0.171	-0.218	-0.213	-0.213	-0.143	-0.144	-0.145
.30	.993	-0.209	-0.209	-0.211	-0.197	-0.189	-0.202	-0.223	-0.227	-0.230	-0.159	-0.160	-0.162
.17	.996	-0.217	-0.224	-0.227	-0.208	-0.209	-0.213	-0.230	-0.231	-0.236	-0.164	-0.166	-0.167
		$P_{c,1}/P_\infty = 8.99$			$P_{c,1}/P_\infty = 8.99$			$P_{c,1}/P_\infty = 9.01$			$P_{c,1}/P_\infty = 8.98$		
12.01	.719	-0.039	-0.030	-0.018	-0.035	-0.024	-0.013	-0.109	-0.094	-0.083	-0.099	-0.049	-0.036
10.59	.727	-0.075	-0.067	-0.064	-0.076	-0.073	-0.068	-0.111	-0.110	-0.106	-0.074	-0.067	-0.066
8.76	.795	-0.116	-0.110	-0.108	-0.138	-0.132	-0.128	-0.182	-0.179	-0.177	-0.135	-0.132	-0.129
7.18	.832	-0.123	-0.118	-0.118	-0.143	-0.142	-0.140	-0.203	-0.200	-0.200	-0.209	-0.202	-0.205
5.56	.870	-0.086	-0.086	-0.086	-0.097	-0.097	-0.105	-0.277	-0.272	-0.271	-0.227	-0.223	-0.222
3.93	.908	-0.051	-0.050	-0.031	-0.062	-0.059	-0.058	-0.070	-0.084	-0.090	-0.239	-0.231	-0.235
2.35	.945	-0.051	-0.051	-0.040	-0.066	-0.063	-0.058	-0.142	-0.141	-0.137	-0.064	-0.065	-0.069
1.54	.964	-0.104	-0.105	-0.103	-0.124	-0.122	-0.121	-0.188	-0.184	-0.187	-0.110	-0.109	-0.108
.73	.983	-0.168	-0.169	-0.174	-0.187	-0.190	-0.192	-0.215	-0.212	-0.211	-0.151	-0.153	-0.153
.30	.993	-0.199	-0.201	-0.209	-0.217	-0.221	-0.224	-0.229	-0.231	-0.236	-0.167	-0.170	-0.170
.17	.996	-0.211	-0.217	-0.221	-0.228	-0.232	-0.239	-0.234	-0.236	-0.241	-0.172	-0.173	-0.179
		$P_{c,1}/P_\infty = 10.98$			$P_{c,1}/P_\infty = 10.98$			$P_{c,1}/P_\infty = 10.98$			$P_{c,1}/P_\infty = 10.98$		
12.01	.719							-0.110	-0.096	-0.084	-0.062	-0.050	-0.038
10.59	.727							-0.112	-0.111	-0.109	-0.074	-0.068	-0.067
8.76	.795							-0.183	-0.180	-0.178	-0.139	-0.136	-0.131
7.18	.832							-0.204	-0.206	-0.206	-0.207	-0.201	-0.204
5.56	.870							-0.277	-0.272	-0.269	-0.227	-0.223	-0.222
3.93	.908							-0.013	-0.020	-0.021	-0.222	-0.231	-0.235
2.35	.945							-0.152	-0.150	-0.145	-0.047	-0.043	-0.059
1.54	.964							-0.196	-0.195	-0.194	-0.131	-0.130	-0.130
.73	.983							-0.227	-0.228	-0.228	-0.169	-0.171	-0.173
.30	.993							-0.259	-0.263	-0.267	-0.183	-0.189	-0.187
.17	.996							-0.243	-0.246	-0.252	-0.187	-0.190	-0.194

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TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(c) Afterbody II

$t_j = \text{Cold}$

$\frac{x}{d_j}$	$\frac{x}{l_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,1}/P_\infty = 1.09$			$P_{c,1}/P_\infty = 1.12$			$P_{c,1}/P_\infty = 1.12$			$P_{c,1}/P_\infty = 1.09$		
12.01	0.719	-0.086	-0.020	-0.010	-0.084	-0.018	-0.005	-0.100	-0.096	-0.084	-0.046	-0.043	-0.052
10.39	.757	-0.042	-0.037	-0.031	-0.042	-0.037	-0.031	-0.087	-0.085	-0.077	-0.049	-0.044	-0.038
8.76	.795	-0.076	-0.073	-0.073	-0.085	-0.086	-0.081	-1.117	-1.115	-1.115	-0.076	-0.074	-0.074
7.18	.832	-0.121	-0.118	-0.116	-0.144	-0.142	-0.139	-1.171	-1.169	-1.169	-0.119	-0.120	-0.118
5.56	.870	-0.152	-0.152	-0.152	-0.181	-0.181	-0.181	-2.270	-2.270	-2.270	-0.131	-0.131	-0.131
3.93	.908	-0.130	-0.130	-0.132	-0.154	-0.154	-0.157	-3.331	-3.328	-3.322	-0.271	-0.274	-0.270
2.35	.945	-0.024	-0.024	-0.020	-0.017	-0.021	-0.020	-0.067	-0.061	-0.058	-0.159	-0.187	-0.229
1.54	.964	0.056	0.055	0.048	0.071	0.067	0.065	0.116	0.115	0.115	0.032	0.026	0.020
.75	.983	0.140	0.138	0.135	0.155	0.151	0.151	0.142	0.140	0.140	0.066	0.065	0.065
.30	.993	0.174	0.172	0.172	0.183	0.183	0.189	0.189	0.189	0.189	0.080	0.080	0.081
.17	.996	0.185	0.187	0.185	0.194	0.194	0.194	0.195	0.194	0.195	0.086	0.089	0.086
		$P_{c,1}/P_\infty = 1.98$			$P_{c,1}/P_\infty = 1.99$			$P_{c,1}/P_\infty = 2.00$			$P_{c,1}/P_\infty = 1.99$		
12.01	.719	-0.026	-0.021	-0.010	-0.024	-0.017	-0.006	-0.099	-0.096	-0.085	-0.049	-0.046	-0.035
10.39	.757	-0.042	-0.037	-0.031	-0.042	-0.036	-0.030	-0.089	-0.085	-0.077	-0.053	-0.046	-0.040
8.76	.795	-0.076	-0.073	-0.072	-0.085	-0.084	-0.079	-1.115	-1.114	-1.111	-0.079	-0.076	-0.077
7.18	.832	-0.120	-0.117	-0.115	-0.142	-0.139	-0.136	-1.169	-1.167	-1.164	-0.121	-0.122	-0.120
5.56	.870	-0.148	-0.150	-0.150	-0.185	-0.187	-0.185	-2.270	-2.268	-2.270	-0.215	-0.215	-0.212
3.93	.908	-0.126	-0.124	-0.129	-0.147	-0.146	-0.150	-3.326	-3.325	-3.311	-0.275	-0.275	-0.275
2.35	.945	-0.015	-0.016	-0.015	-0.005	-0.009	-0.014	-0.074	-0.068	-0.069	-0.215	-0.184	-0.224
1.54	.964	0.064	0.065	0.060	0.086	0.081	0.076	0.124	0.122	0.121	0.029	0.022	0.018
.75	.983	0.152	0.149	0.145	0.167	0.166	0.166	0.146	0.146	0.146	0.062	0.059	0.069
.30	.993	0.189	0.186	0.189	0.196	0.197	0.199	0.195	0.196	0.196	0.074	0.075	0.079
.17	.996	0.195	0.196	0.197	0.202	0.205	0.206	0.160	0.160	0.162	0.081	0.082	0.089
		$P_{c,1}/P_\infty = 3.00$			$P_{c,1}/P_\infty = 2.98$			$P_{c,1}/P_\infty = 2.99$			$P_{c,1}/P_\infty = 3.02$		
12.01	.719	-0.027	-0.021	-0.009	-0.022	-0.015	-0.004	-0.101	-0.096	-0.084	-0.049	-0.046	-0.035
10.39	.757	-0.042	-0.037	-0.031	-0.040	-0.035	-0.029	-0.089	-0.085	-0.077	-0.050	-0.045	-0.039
8.76	.795	-0.077	-0.074	-0.072	-0.085	-0.083	-0.078	-1.116	-1.115	-1.112	-0.079	-0.077	-0.077
7.18	.832	-0.120	-0.117	-0.117	-0.139	-0.138	-0.136	-1.171	-1.169	-1.164	-0.119	-0.122	-0.120
5.56	.870	-0.150	-0.150	-0.151	-0.184	-0.185	-0.184	-2.272	-2.272	-2.272	-0.215	-0.215	-0.211
3.93	.908	-0.126	-0.125	-0.129	-0.146	-0.146	-0.151	-3.350	-3.348	-3.332	-0.275	-0.272	-0.274
2.35	.945	-0.013	-0.019	-0.022	-0.003	-0.009	-0.014	-0.074	-0.068	-0.069	-0.211	-0.185	-0.223
1.54	.964	0.056	0.063	0.077	0.086	0.082	0.074	0.122	0.123	0.124	0.026	0.021	0.019
.75	.983	0.149	0.149	0.147	0.171	0.166	0.167	0.148	0.147	0.141	0.060	0.061	0.064
.30	.993	0.184	0.185	0.182	0.197	0.195	0.201	0.199	0.198	0.161	0.073	0.073	0.079
.17	.996	0.194	0.195	0.195	0.204	0.206	0.206	0.164	0.164	0.167	0.080	0.082	0.086
		$P_{c,1}/P_\infty = 4.98$			$P_{c,1}/P_\infty = 4.96$			$P_{c,1}/P_\infty = 4.99$			$P_{c,1}/P_\infty = 4.99$		
12.01	.719	-0.028	-0.021	-0.012	-0.023	-0.017	-0.007	-0.103	-0.099	-0.089	-0.051	-0.050	-0.042
10.39	.757	-0.042	-0.037	-0.031	-0.039	-0.037	-0.029	-0.091	-0.087	-0.081	-0.051	-0.045	-0.039
8.76	.795	-0.077	-0.074	-0.072	-0.085	-0.082	-0.079	-1.119	-1.118	-1.116	-0.080	-0.078	-0.076
7.18	.832	-0.120	-0.118	-0.115	-0.140	-0.138	-0.135	-1.172	-1.172	-1.168	-0.121	-0.124	-0.121
5.56	.870	-0.149	-0.149	-0.148	-0.184	-0.184	-0.184	-2.274	-2.274	-2.275	-0.214	-0.213	-0.213
3.93	.908	-0.124	-0.124	-0.127	-0.145	-0.141	-0.147	-3.334	-3.333	-3.337	-0.274	-0.275	-0.275
2.35	.945	-0.011	-0.015	-0.019	-0.001	-0.003	-0.009	-0.063	-0.058	-0.059	-0.217	-0.181	-0.220
1.54	.964	0.071	0.069	0.063	0.091	0.087	0.081	0.115	0.114	0.114	0.026	0.021	0.019
.75	.983	0.160	0.158	0.156	0.174	0.172	0.173	0.140	0.139	0.140	0.058	0.050	0.054
.30	.993	0.192	0.194	0.194	0.201	0.202	0.203	0.148	0.147	0.152	0.074	0.073	0.080
.17	.996	0.205	0.205	0.205	0.212	0.211	0.212	0.153	0.154	0.158	0.081	0.084	0.087
								$P_{c,1}/P_\infty = 6.98$			$P_{c,1}/P_\infty = 6.99$		
12.01	.719						-0.102	-0.099	-0.089	-0.052	-0.052	-0.040	
10.39	.757						-0.086	-0.085	-0.081	-0.052	-0.046	-0.036	
8.76	.795						-0.119	-0.117	-0.115	-0.080	-0.079	-0.078	
7.18	.832						-0.171	-0.171	-0.167	-0.221	-0.221	-0.220	
5.56	.870						-0.271	-0.274	-0.273	-0.213	-0.213	-0.213	
3.93	.908						-0.350	-0.348	-0.334	-0.279	-0.275	-0.275	
2.35	.945						0.070	0.065	0.061	-0.331	-0.165	-0.200	
1.54	.964						0.161	0.159	0.158	0.030	0.026	0.022	
.75	.983						0.186	0.186	0.187	0.029	0.024	0.020	
.30	.993						0.193	0.196	0.199	0.080	0.080	0.086	
.17	.996						0.199	0.162	0.166	0.088	0.086	0.094	

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(c) Afterbody II - Continued

$t_j = 800^\circ F$

$\frac{x}{d_j}$	$\frac{x}{L_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.20$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 1.96$			$P_{t,j}/P_\infty = 2.00$			$P_{t,j}/P_\infty = 2.05$			$P_{t,j}/P_\infty = 2.08$		
12.01	0.719	-0.068	-0.081	-0.011	-0.027	-0.019	-0.008	-0.100	-0.097	-0.085	-0.044	-0.043	-0.034
10.39	.757	-0.044	-0.059	-0.051	-0.046	-0.040	-0.035	-0.088	-0.085	-0.078	-0.049	-0.046	-0.040
8.76	.795	-0.079	-0.078	-0.073	-0.090	-0.067	-0.083	-0.117	-0.117	-0.114	-0.074	-0.072	-0.068
7.18	.838	-0.122	-0.120	-0.116	-0.147	-0.144	-0.139	-0.171	-0.170	-0.165	-0.118	-0.118	-0.116
5.56	.870	-0.151	-0.152	-0.151	-0.190	-0.190	-0.191	-0.270	-0.271	-0.278	-0.210	-0.210	-0.210
5.93	.908	-0.128	-0.128	-0.129	-0.151	-0.150	-0.153	-0.228	-0.228	-0.232	-0.273	-0.269	-0.272
2.35	.945	-0.014	-0.014	-0.022	-0.005	-0.009	-0.014	-0.075	-0.069	-0.067	-0.135	-0.129	-0.209
1.54	.964	0.070	0.066	0.061	0.065	0.063	0.077	0.124	0.121	0.121	0.088	0.081	0.019
.75	.983	0.159	0.151	0.150	0.168	0.166	0.166	0.147	0.144	0.147	0.091	0.089	0.094
.30	.995	0.188	0.187	0.188	0.197	0.196	0.196	0.175	0.175	0.178	0.064	0.064	0.068
.17	.996	0.199	0.199	0.200	0.204	0.204	0.205	0.161	0.160	0.163	0.070	0.071	0.075
		$P_{t,j}/P_\infty = 3.02$			$P_{t,j}/P_\infty = 2.99$			$P_{t,j}/P_\infty = 3.02$			$P_{t,j}/P_\infty = 3.04$		
12.01	.719	-0.027	-0.022	-0.010	-0.024	-0.017	-0.005	-0.101	-0.096	-0.086	-0.045	-0.044	-0.034
10.39	.757	-0.042	-0.037	-0.029	-0.042	-0.036	-0.020	-0.088	-0.085	-0.078	-0.050	-0.046	-0.040
8.76	.795	-0.079	-0.077	-0.072	-0.091	-0.067	-0.084	-0.117	-0.117	-0.114	-0.074	-0.072	-0.068
7.18	.832	-0.120	-0.118	-0.115	-0.141	-0.141	-0.136	-0.171	-0.170	-0.166	-0.118	-0.120	-0.117
5.56	.870	-0.149	-0.151	-0.150	-0.185	-0.186	-0.187	-0.271	-0.270	-0.272	-0.212	-0.211	-0.211
5.93	.908	-0.127	-0.126	-0.130	-0.147	-0.147	-0.150	-0.228	-0.227	-0.232	-0.274	-0.271	-0.273
2.35	.945	-0.013	-0.011	-0.020	-0.004	-0.008	0.013	-0.074	-0.069	-0.065	-0.147	-0.145	-0.218
1.54	.964	0.067	0.065	0.061	0.067	0.065	0.077	0.123	0.123	0.123	0.084	0.084	0.088
.75	.983	0.159	0.150	0.149	0.170	0.168	0.166	0.147	0.144	0.147	0.064	0.064	0.068
.30	.995	0.188	0.187	0.187	0.198	0.197	0.197	0.156	0.155	0.157	0.098	0.099	0.094
.17	.996	0.198	0.197	0.197	0.206	0.206	0.206	0.160	0.159	0.162	0.094	0.096	0.071
		$P_{t,j}/P_\infty = 4.99$			$P_{t,j}/P_\infty = 4.99$			$P_{t,j}/P_\infty = 4.98$			$P_{t,j}/P_\infty = 4.98$		
12.01	.719	-0.027	-0.028	-0.011	-0.025	-0.016	-0.004	-0.100	-0.096	-0.085	-0.050	-0.048	-0.038
10.39	.757	-0.043	-0.038	-0.032	-0.040	-0.036	-0.028	-0.088	-0.085	-0.078	-0.051	-0.048	-0.041
8.76	.795	-0.078	-0.076	-0.072	-0.094	-0.068	-0.079	-0.117	-0.117	-0.113	-0.075	-0.073	-0.073
7.18	.832	-0.120	-0.119	-0.116	-0.150	-0.150	-0.145	-0.171	-0.169	-0.168	-0.120	-0.120	-0.121
5.56	.870	-0.150	-0.151	-0.150	-0.187	-0.184	-0.185	-0.271	-0.271	-0.272	-0.212	-0.211	-0.211
5.93	.908	-0.127	-0.127	-0.128	-0.145	-0.145	-0.147	-0.228	-0.227	-0.232	-0.277	-0.273	-0.274
2.35	.945	-0.011	-0.012	-0.019	0.001	-0.005	-0.009	0.073	0.069	0.066	-0.142	-0.149	-0.211
1.54	.964	0.072	0.068	0.065	0.091	0.088	0.082	0.126	0.125	0.124	0.084	0.080	0.088
.75	.983	0.159	0.154	0.155	0.175	0.171	0.170	0.149	0.148	0.150	0.094	0.094	0.098
.30	.995	0.182	0.180	0.190	0.201	0.201	0.202	0.160	0.157	0.160	0.098	0.098	0.072
.17	.996	0.201	0.200	0.201	0.211	0.209	0.210	0.163	0.163	0.165	0.073	0.073	0.079
		$P_{t,j}/P_\infty = 6.99$			$P_{t,j}/P_\infty = 7.00$			$P_{t,j}/P_\infty = 6.98$			$P_{t,j}/P_\infty = 6.99$		
12.01	.719	-0.029	-0.025	-0.013	-0.025	-0.017	-0.005	-0.100	-0.096	-0.085	-0.046	-0.046	-0.036
10.39	.757	-0.045	-0.040	-0.035	-0.041	-0.038	-0.029	-0.087	-0.084	-0.078	-0.051	-0.048	-0.042
8.76	.795	-0.081	-0.078	-0.074	-0.095	-0.069	-0.080	-0.116	-0.115	-0.113	-0.076	-0.075	-0.070
7.18	.832	-0.122	-0.120	-0.117	-0.141	-0.140	-0.135	-0.170	-0.170	-0.165	-0.119	-0.121	-0.119
5.56	.870	-0.152	-0.152	-0.152	-0.185	-0.184	-0.185	-0.271	-0.271	-0.271	-0.213	-0.213	-0.214
5.93	.908	-0.126	-0.125	-0.128	-0.144	-0.145	-0.147	-0.227	-0.226	-0.231	-0.276	-0.274	-0.273
2.35	.945	-0.007	-0.012	-0.017	0.006	0.000	-0.004	0.076	0.072	0.070	-0.147	-0.170	-0.212
1.54	.964	0.076	0.074	0.069	0.100	0.095	0.089	0.126	0.127	0.127	0.083	0.081	0.085
.75	.983	0.166	0.162	0.162	0.183	0.178	0.178	0.153	0.152	0.152	0.088	0.086	0.090
.30	.995	0.199	0.197	0.198	0.209	0.208	0.208	0.165	0.162	0.164	0.091	0.091	0.065
.17	.996	0.205	0.204	0.207	0.215	0.214	0.215	0.168	0.167	0.169	0.097	0.098	0.075
		$P_{t,j}/P_\infty = 9.01$			$P_{t,j}/P_\infty = 9.01$			$P_{t,j}/P_\infty = 9.00$			$P_{t,j}/P_\infty = 8.97$		
12.01	.719	-0.026	-0.022	-0.010	-0.023	-0.016	-0.004	-0.100	-0.096	-0.085	-0.045	-0.045	-0.037
10.39	.757	-0.042	-0.037	-0.030	-0.041	-0.036	-0.028	-0.088	-0.085	-0.078	-0.051	-0.048	-0.041
8.76	.795	-0.077	-0.075	-0.071	-0.095	-0.068	-0.078	-0.117	-0.117	-0.113	-0.075	-0.073	-0.069
7.18	.838	-0.117	-0.117	-0.113	-0.139	-0.139	-0.135	-0.171	-0.169	-0.165	-0.119	-0.120	-0.118
5.56	.870	-0.149	-0.148	-0.148	-0.182	-0.182	-0.185	-0.270	-0.271	-0.271	-0.214	-0.213	-0.213
5.93	.908	-0.122	-0.120	-0.123	-0.136	-0.138	-0.142	-0.224	-0.223	-0.227	-0.277	-0.275	-0.275
2.35	.945	0.003	0.008	-0.008	0.015	0.009	0.004	0.083	0.079	0.077	-0.120	-0.141	-0.178
1.54	.964	0.091	0.086	0.082	0.110	0.107	0.100	0.134	0.133	0.134	0.030	0.024	0.022
.75	.983	0.181	0.178	0.174	0.194	0.191	0.189	0.160	0.159	0.162	0.094	0.090	0.094
.30	.995	0.210	0.209	0.209	0.217	0.215	0.216	0.169	0.169	0.170	0.094	0.096	0.069
.17	.996	0.218	0.217	0.218	0.227	0.222	0.224	0.173	0.173	0.175	0.070	0.073	0.076
								$P_{t,j}/P_\infty = 10.99$			$P_{t,j}/P_\infty = 11.01$		
12.01	.719						-0.102	-0.099	-0.086	-0.045	-0.045	-0.035	
10.39	.757						-0.088	-0.085	-0.078	-0.050	-0.047	-0.040	
8.76	.795						-0.117	-0.115	-0.113	-0.075	-0.071	-0.067	
7.18	.838						-0.172	-0.170	-0.165	-0.117	-0.119	-0.117	
5.56	.870						-0.271	-0.272	-0.271	-0.211	-0.212	-0.211	
5.93	.908						-0.216	-0.215	-0.224	-0.275	-0.272	-0.273	
2.35	.945						0.094	0.091	0.089	-0.067	-0.065	-0.117	
1.54	.964						0.144	0.144	0.144	0.082	0.081	0.081	
.75	.983						0.170	0.171	0.172	0.094	0.091	0.095	
.30	.995						0.179	0.180	0.182	0.074	0.073	0.079	
.17	.996						0.182	0.184	0.186	0.080	0.082	0.086	

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(c) Afterbody II - Continued

$t_1 = 1,200^\circ F$

$\frac{x}{d_j}$	$\frac{x}{l_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,1}/P_\infty = 2.01$			$P_{t,1}/P_\infty = 1.96$			$P_{t,1}/P_\infty = 1.91$			$P_{t,1}/P_\infty = 2.09$		
12.01	0.719	-0.029	-0.022	-0.012	-0.023	-0.015	-0.005	-0.099	-0.093	-0.085	-0.050	-0.046	-0.037
10.39	.757	-.044	-.039	-.034	-.040	-.036	-.028	-.086	-.083	-.077	-.051	-.046	-.040
8.76	.795	-.060	-.077	-.074	-.064	-.052	-.079	-.116	-.114	-.113	-.078	-.079	-.076
7.18	.832	-.121	-.121	-.117	-.139	-.138	-.135	-.169	-.168	-.164	-.120	-.122	-.120
5.56	.870	-.152	-.152	-.153	-.185	-.184	-.185	-.269	-.269	-.271	-.213	-.213	-.212
3.93	.908	-.128	-.128	-.128	-.146	-.146	-.147	-.322	-.319	-.328	-.278	-.279	-.274
2.35	.945	-.018	-.019	-.022	-.030	-.030	-.039	-.081	-.078	-.081	-.119	-.116	-.121
1.54	.964	-.058	-.067	-.060	-.091	-.088	-.082	-.136	-.136	-.135	-.093	-.088	-.085
.73	.983	-.156	-.151	-.150	-.173	-.171	-.170	-.161	-.161	-.161	-.064	-.064	-.067
.30	.993	-.187	-.187	-.187	-.200	-.200	-.201	-.170	-.171	-.171	-.078	-.078	-.084
.17	.996	-.198	-.197	-.197	-.209	-.209	-.209	-.174	-.175	-.175	-.083	-.083	-.087
		$P_{t,1}/P_\infty = 3.03$			$P_{t,1}/P_\infty = 3.01$			$P_{t,1}/P_\infty = 2.99$			$P_{t,1}/P_\infty = 3.02$		
12.01	.719	-.028	-.021	-.011	-.022	-.015	-.005	-1.01	-.093	-.087	-.052	-.049	-.039
10.39	.757	-.043	-.040	-.032	-.041	-.037	-.030	-.088	-.085	-.078	-.052	-.047	-.040
8.76	.795	-.076	-.077	-.073	-.066	-.065	-.060	-.119	-.117	-.115	-.077	-.079	-.076
7.18	.832	-.121	-.119	-.117	-.142	-.139	-.136	-.172	-.172	-.166	-.122	-.124	-.121
5.56	.870	-.152	-.152	-.153	-.187	-.186	-.186	-.274	-.272	-.274	-.214	-.214	-.212
3.93	.908	-.128	-.126	-.129	-.146	-.148	-.149	-.320	-.323	-.326	-.279	-.276	-.275
2.35	.945	-.015	-.018	-.022	-.030	-.030	-.032	-.085	-.081	-.079	-.123	-.119	-.125
1.54	.964	-.068	-.066	-.060	-.089	-.086	-.080	-.138	-.138	-.138	-.087	-.085	-.082
.73	.983	-.145	-.143	-.143	-.171	-.169	-.168	-.163	-.163	-.163	-.059	-.059	-.062
.30	.993	-.187	-.185	-.185	-.199	-.198	-.198	-.173	-.173	-.173	-.072	-.073	-.076
.17	.996	-.199	-.199	-.197	-.205	-.206	-.207	-.177	-.177	-.179	-.078	-.079	-.083
		$P_{t,1}/P_\infty = 4.99$			$P_{t,1}/P_\infty = 5.01$			$P_{t,1}/P_\infty = 4.97$			$P_{t,1}/P_\infty = 4.99$		
12.01	.719	-.028	-.022	-.012	-.023	-.015	-.005	-1.00	-.095	-.084	-.054	-.052	-.043
10.39	.757	-.044	-.039	-.035	-.041	-.037	-.030	-.086	-.083	-.078	-.051	-.046	-.040
8.76	.795	-.078	-.078	-.074	-.064	-.054	-.060	-.118	-.116	-.114	-.078	-.079	-.077
7.18	.832	-.122	-.121	-.118	-.141	-.139	-.136	-.171	-.171	-.165	-.121	-.123	-.121
5.56	.870	-.152	-.153	-.152	-.186	-.184	-.185	-.272	-.272	-.272	-.214	-.214	-.212
3.93	.908	-.127	-.126	-.128	-.145	-.145	-.148	-.327	-.325	-.321	-.281	-.276	-.276
2.35	.945	-.012	-.015	-.020	-.031	-.031	-.034	-.078	-.076	-.076	-.129	-.127	-.124
1.54	.964	-.072	-.069	-.063	-.092	-.088	-.083	-.133	-.133	-.133	-.093	-.090	-.085
.73	.983	-.158	-.153	-.153	-.175	-.172	-.171	-.158	-.160	-.162	-.074	-.072	-.074
.30	.993	-.191	-.189	-.189	-.201	-.201	-.201	-.168	-.168	-.168	-.087	-.086	-.089
.17	.996	-.200	-.199	-.199	-.209	-.208	-.209	-.172	-.172	-.176	-.092	-.092	-.095
		$P_{t,1}/P_\infty = 6.97$			$P_{t,1}/P_\infty = 6.96$			$P_{t,1}/P_\infty = 7.00$			$P_{t,1}/P_\infty = 6.99$		
12.01	.719	-.028	-.021	-.010	-.023	-.015	-.005	-1.00	-.094	-.086	-.055	-.053	-.044
10.39	.757	-.041	-.038	-.030	-.040	-.036	-.030	-.086	-.084	-.077	-.053	-.049	-.041
8.76	.795	-.079	-.076	-.072	-.065	-.063	-.060	-.117	-.116	-.113	-.079	-.080	-.079
7.18	.832	-.118	-.119	-.114	-.140	-.139	-.136	-.171	-.169	-.165	-.123	-.125	-.123
5.56	.870	-.149	-.150	-.149	-.184	-.184	-.185	-.272	-.271	-.271	-.225	-.226	-.225
3.93	.908	-.128	-.124	-.125	-.143	-.143	-.146	-.323	-.321	-.326	-.282	-.279	-.276
2.35	.945	-.000	-.009	-.013	-.006	-.001	-.004	-.089	-.082	-.080	-.119	-.117	-.120
1.54	.964	-.082	-.076	-.073	-.100	-.095	-.090	-.138	-.140	-.137	-.091	-.089	-.085
.73	.983	-.169	-.167	-.163	-.183	-.179	-.178	-.166	-.167	-.166	-.088	-.089	-.070
.30	.993	-.202	-.199	-.200	-.206	-.206	-.206	-.174	-.176	-.177	-.081	-.084	-.080
.17	.996	-.210	-.208	-.209	-.222	-.213	-.213	-.179	-.180	-.180	-.087	-.088	-.090
		$P_{t,1}/P_\infty = 8.95$			$P_{t,1}/P_\infty = 8.97$			$P_{t,1}/P_\infty = 9.00$			$P_{t,1}/P_\infty = 9.01$		
12.01	.719	-.028	-.022	-.010	-.022	-.015	-.004	-1.00	-.094	-.086	-.046	-.043	-.036
10.39	.757	-.044	-.038	-.032	-.041	-.036	-.028	-.087	-.084	-.078	-.049	-.047	-.042
8.76	.795	-.078	-.076	-.073	-.064	-.054	-.060	-.117	-.116	-.114	-.078	-.078	-.078
7.18	.832	-.119	-.118	-.114	-.138	-.135	-.135	-.171	-.170	-.165	-.116	-.118	-.117
5.56	.870	-.149	-.151	-.147	-.181	-.180	-.181	-.272	-.271	-.273	-.213	-.213	-.213
3.93	.908	-.121	-.121	-.121	-.137	-.136	-.139	-.320	-.318	-.327	-.276	-.275	-.275
2.35	.945	-.002	-.001	-.005	-.017	-.012	-.007	-.088	-.086	-.084	-.098	-.110	-.107
1.54	.964	-.093	-.089	-.084	-.114	-.109	-.103	-.142	-.143	-.143	-.092	-.089	-.089
.73	.983	-.183	-.179	-.177	-.195	-.192	-.191	-.169	-.171	-.171	-.098	-.098	-.083
.30	.993	-.211	-.209	-.209	-.217	-.216	-.218	-.178	-.179	-.180	-.089	-.072	-.073
.17	.996	-.220	-.217	-.220	-.222	-.222	-.224	-.181	-.181	-.184	-.075	-.076	-.080
		$P_{t,1}/P_\infty = 10.99$			$P_{t,1}/P_\infty = 11.03$			$P_{t,1}/P_\infty = 11.05$			$P_{t,1}/P_\infty = 11.03$		
12.01	.719	-.028	-.022	-.010	-.022	-.015	-.004	-.098	-.094	-.083	-.046	-.046	-.037
10.39	.757	-.044	-.038	-.032	-.041	-.036	-.028	-.086	-.083	-.076	-.051	-.049	-.042
8.76	.795	-.078	-.076	-.073	-.064	-.054	-.060	-.115	-.114	-.111	-.076	-.073	-.069
7.18	.832	-.119	-.118	-.114	-.138	-.135	-.135	-.171	-.170	-.165	-.116	-.121	-.119
5.56	.870	-.149	-.151	-.147	-.181	-.180	-.181	-.272	-.271	-.273	-.213	-.213	-.213
3.93	.908	-.121	-.121	-.121	-.137	-.136	-.139	-.320	-.318	-.327	-.276	-.275	-.275
2.35	.945	-.002	-.001	-.005	-.017	-.012	-.007	-.088	-.086	-.084	-.098	-.110	-.107
1.54	.964	-.093	-.089	-.084	-.114	-.109	-.103	-.142	-.143	-.143	-.092	-.089	-.089
.73	.983	-.183	-.179	-.177	-.195	-.192	-.191	-.169	-.171	-.171	-.098	-.098	-.083
.30	.993	-.211	-.209	-.209	-.217	-.216	-.218	-.178	-.179	-.180	-.089	-.072	-.073
.17	.996	-.220	-.217	-.220	-.222	-.222	-.224	-.181	-.181	-.184	-.075	-.076	-.080

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(d) Afterbody III
 $t_j = \text{Cald}$

$\frac{x}{d}$	$\frac{x}{x_{\text{max}}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 2.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,1}/P_\infty = 1.04$			$P_{c,1}/P_\infty = 1.04$			$P_{c,1}/P_\infty = 1.01$			$P_{c,1}/P_\infty = 0.94$		
12.01	0.719	-0.018	-0.012	0.001	-0.014	-0.006	0.008	-0.101	-0.097	-0.080	-0.050	-0.043	-0.050
10.39	.797	-0.048	-0.019	-0.013	-0.020	-0.014	-0.008	-0.086	-0.080	-0.074	-0.058	-0.050	-0.042
8.76	.795	-0.082	-0.029	-0.027	-0.026	-0.022	-0.022	-0.074	-0.071	-0.067	-0.052	-0.050	-0.049
7.18	.832	-0.05	-0.045	-0.045	-0.045	-0.042	-0.042	-0.061	-0.060	-0.058	-0.052	-0.050	-0.049
5.56	.870	-0.099	-0.059	-0.055	-0.104	-0.099	-0.101	-0.095	-0.089	-0.089	-0.073	-0.068	-0.069
3.95	.908	-0.205	-0.200	-0.200	-0.235	-0.235	-0.235	-0.198	-0.196	-0.196	-0.156	-0.154	-0.154
2.35	.945	-0.290	-0.252	-0.247	-0.261	-0.265	-0.258	-0.247	-0.249	-0.242	-0.199	-0.194	-0.195
1.94	.964	-0.09	-0.095	-0.088	-0.088	-0.088	-0.087	-0.015	-0.021	-0.015	-0.101	-0.118	-0.124
.73	.983	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093	-0.005	-0.005	-0.001	-0.082	-0.086	-0.088
.30	.993	-0.090	-0.090	-0.088	-0.086	-0.086	-0.084	-0.003	-0.001	-0.001	-0.084	-0.086	-0.088
.17	.996	-0.088	-0.088	-0.089	-0.084	-0.084	-0.081	-0.001	-0.001	-0.001	-0.084	-0.088	-0.088
		$P_{c,1}/P_\infty = 1.97$			$P_{c,1}/P_\infty = 2.00$			$P_{c,1}/P_\infty = 2.10$			$P_{c,1}/P_\infty = 2.00$		
12.01	.719	-0.019	-0.013	-0.000	-0.013	-0.004	0.008	-0.101	-0.094	-0.079	-0.049	-0.043	-0.050
10.39	.797	-0.025	-0.019	-0.014	-0.019	-0.013	-0.007	-0.086	-0.079	-0.074	-0.057	-0.050	-0.042
8.76	.795	-0.036	-0.029	-0.026	-0.027	-0.024	-0.021	-0.073	-0.070	-0.066	-0.051	-0.050	-0.049
7.18	.832	-0.047	-0.045	-0.045	-0.042	-0.042	-0.041	-0.061	-0.060	-0.058	-0.051	-0.049	-0.049
5.56	.870	-0.100	-0.059	-0.056	-0.105	-0.100	-0.099	-0.093	-0.087	-0.087	-0.073	-0.067	-0.068
3.95	.908	-0.202	-0.202	-0.203	-0.235	-0.234	-0.234	-0.196	-0.194	-0.194	-0.155	-0.152	-0.153
2.35	.945	-0.263	-0.275	-0.268	-0.288	-0.292	-0.281	-0.245	-0.244	-0.246	-0.197	-0.196	-0.194
1.94	.964	-0.09	-0.092	-0.089	-0.093	-0.093	-0.093	-0.011	-0.027	-0.027	-0.117	-0.139	-0.159
.73	.983	-0.084	-0.083	-0.073	-0.083	-0.081	-0.082	-0.011	-0.021	-0.021	-0.112	-0.135	-0.147
.30	.993	-0.083	-0.083	-0.076	-0.083	-0.083	-0.083	-0.007	-0.009	-0.009	-0.099	-0.105	-0.109
.17	.996	-0.077	-0.071	-0.070	-0.070	-0.071	-0.070	-0.009	-0.011	-0.011	-0.108	-0.108	-0.108
		$P_{c,1}/P_\infty = 3.01$			$P_{c,1}/P_\infty = 2.99$			$P_{c,1}/P_\infty = 3.00$			$P_{c,1}/P_\infty = 5.00$		
12.01	.719	-0.019	-0.012	0.002	-0.013	-0.004	0.009	-0.101	-0.094	-0.080	-0.049	-0.043	-0.050
10.39	.797	-0.024	-0.018	-0.013	-0.020	-0.014	-0.007	-0.086	-0.080	-0.074	-0.057	-0.049	-0.042
8.76	.795	-0.031	-0.025	-0.025	-0.028	-0.024	-0.022	-0.074	-0.072	-0.067	-0.050	-0.049	-0.048
7.18	.832	-0.046	-0.045	-0.044	-0.045	-0.042	-0.042	-0.063	-0.062	-0.060	-0.053	-0.050	-0.050
5.56	.870	-0.100	-0.059	-0.056	-0.104	-0.100	-0.099	-0.093	-0.091	-0.091	-0.073	-0.068	-0.068
3.95	.908	-0.202	-0.202	-0.202	-0.235	-0.232	-0.234	-0.200	-0.198	-0.198	-0.154	-0.153	-0.153
2.35	.945	-0.263	-0.275	-0.268	-0.288	-0.292	-0.281	-0.245	-0.244	-0.246	-0.197	-0.196	-0.194
1.94	.964	-0.09	-0.092	-0.089	-0.093	-0.093	-0.093	-0.011	-0.027	-0.027	-0.117	-0.139	-0.159
.73	.983	-0.082	-0.078	-0.073	-0.083	-0.083	-0.084	-0.019	-0.021	-0.021	-0.107	-0.113	-0.113
.30	.993	-0.073	-0.068	-0.068	-0.066	-0.067	-0.066	-0.023	-0.023	-0.023	-0.113	-0.119	-0.120
.17	.996	-0.072	-0.070	-0.068	-0.069	-0.069	-0.066	-0.019	-0.021	-0.021	-0.108	-0.117	-0.117
		$P_{c,1}/P_\infty = 4.96$			$P_{c,1}/P_\infty = 4.97$			$P_{c,1}/P_\infty = 4.97$			$P_{c,1}/P_\infty = 5.00$		
12.01	.719	-0.021	-0.013	0.000	-0.014	-0.005	0.007	-0.100	-0.094	-0.078	-0.049	-0.042	-0.050
10.39	.797	-0.025	-0.020	-0.015	-0.020	-0.014	-0.008	-0.087	-0.080	-0.074	-0.057	-0.048	-0.041
8.76	.795	-0.033	-0.029	-0.027	-0.026	-0.022	-0.022	-0.074	-0.071	-0.067	-0.050	-0.049	-0.048
7.18	.832	-0.048	-0.045	-0.045	-0.045	-0.042	-0.042	-0.062	-0.061	-0.059	-0.052	-0.049	-0.049
5.56	.870	-0.102	-0.059	-0.056	-0.104	-0.100	-0.099	-0.095	-0.089	-0.089	-0.072	-0.067	-0.068
3.95	.908	-0.203	-0.204	-0.209	-0.236	-0.234	-0.234	-0.194	-0.194	-0.196	-0.152	-0.152	-0.153
2.35	.945	-0.270	-0.279	-0.282	-0.299	-0.307	-0.297	-0.258	-0.258	-0.257	-0.201	-0.194	-0.191
1.94	.964	-0.091	-0.085	-0.088	-0.093	-0.093	-0.093	-0.027	-0.018	-0.022	-0.121	-0.170	-0.170
.73	.983	-0.078	-0.069	-0.068	-0.084	-0.084	-0.084	-0.029	-0.019	-0.020	-0.127	-0.128	-0.122
.30	.993	-0.070	-0.063	-0.063	-0.064	-0.067	-0.065	-0.024	-0.024	-0.025	-0.135	-0.134	-0.130
.17	.996	-0.071	-0.060	-0.066	-0.068	-0.060	-0.067	-0.026	-0.025	-0.029	-0.129	-0.131	-0.125
		$P_{c,1}/P_\infty = 6.98$			$P_{c,1}/P_\infty = 6.99$			$P_{c,1}/P_\infty = 6.99$			$P_{c,1}/P_\infty = 6.99$		
12.01	.719							-0.102	-0.095	-0.082	-0.049	-0.043	-0.049
10.39	.797							-0.086	-0.081	-0.073	-0.057	-0.049	-0.048
8.76	.795							-0.074	-0.071	-0.067	-0.051	-0.050	-0.049
7.18	.832							-0.062	-0.061	-0.060	-0.053	-0.050	-0.050
5.56	.870							-0.092	-0.090	-0.090	-0.073	-0.069	-0.069
3.95	.908							-0.199	-0.197	-0.197	-0.154	-0.154	-0.154
2.35	.945							-0.258	-0.260	-0.247	-0.198	-0.196	-0.194
1.94	.964							-0.086	-0.088	-0.088	-0.069	-0.069	-0.069
.73	.983							-0.052	-0.049	-0.053	-0.041	-0.039	-0.035
.30	.993							-0.056	-0.053	-0.057	-0.048	-0.046	-0.040
.17	.996							-0.029	-0.023	-0.031	-0.038	-0.043	-0.036

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(e) Afterbody III - Continued

$t_3 = 800^\circ F$

$\frac{x}{L}$	$\frac{x}{L_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,3}/P_\infty = 1.97$			$P_{c,3}/P_\infty = 2.00$			$P_{c,3}/P_\infty = 1.99$			$P_{c,3}/P_\infty = 1.98$		
12.01	0.719	-0.020	-0.012	0.001	-0.014	-0.006	0.007	-0.102	-0.097	-0.081	-0.096	-0.081	-0.077
10.39	.737	-.024	-.019	-.013	-.020	-.014	-.008	-.087	-.082	-.076	-.065	-.069	-.069
8.76	.755	-.028	-.022	-.026	-.035	-.025	-.022	-.075	-.072	-.069	-.065	-.063	-.058
7.12	.832	-.047	-.043	-.044	-.045	-.043	-.042	-.064	-.062	-.061	-.051	-.050	-.051
5.56	.870	-.100	-.099	-.094	-.105	-.099	-.099	-.095	-.091	-.092	-.076	-.070	-.071
3.93	.908	-.201	-.200	-.199	-.223	-.214	-.200	-.198	-.196	-.198	-.168	-.154	-.154
2.35	.945	-.256	-.259	-.269	-.269	-.267	-.302	-.300	-.301	-.306	-.268	-.267	-.262
1.54	.964	-.015	-.029	-.090	-.013	-.009	-.013	-.024	-.020	-.015	-.124	-.141	-.137
.73	.983	.024	.022	.023	.024	.026	.020	-.011	-.011	-.008	-.024	-.022	-.022
.30	.993	.079	.076	.076	.090	.092	.091	-.015	-.012	-.011	-.092	-.095	-.095
.17	.996	.073	.073	.073	.093	.093	.090	-.010	-.011	-.009	-.092	-.095	-.095
		$P_{c,3}/P_\infty = 3.02$			$P_{c,3}/P_\infty = 2.98$			$P_{c,3}/P_\infty = 3.00$			$P_{c,3}/P_\infty = 3.02$		
12.01	.719	-.021	-.012	-.001	-.015	-.007	-.006	-.104	-.098	-.084	-.094	-.048	-.033
10.39	.737	-.027	-.020	-.015	-.022	-.013	-.009	-.090	-.084	-.078	-.062	-.053	-.046
8.76	.755	-.034	-.031	-.028	-.039	-.027	-.022	-.077	-.073	-.071	-.064	-.063	-.057
7.12	.832	-.049	-.047	-.046	-.049	-.044	-.042	-.067	-.065	-.063	-.050	-.050	-.050
5.56	.870	-.102	-.096	-.099	-.106	-.099	-.100	-.096	-.090	-.092	-.074	-.070	-.070
3.93	.908	-.203	-.203	-.205	-.237	-.229	-.235	-.200	-.198	-.198	-.158	-.154	-.154
2.35	.945	-.262	-.261	-.272	-.273	-.272	-.292	-.322	-.316	-.315	-.269	-.274	-.264
1.54	.964	-.024	-.023	-.048	-.012	-.017	-.003	-.021	-.027	-.021	-.131	-.142	-.136
.73	.983	.050	.052	.052	.074	.079	.060	-.019	-.021	-.017	-.099	-.102	-.100
.30	.993	.073	.073	.073	.069	.073	.092	-.021	-.021	-.021	-.105	-.106	-.104
.17	.996	.073	.074	.072	.091	.093	.090	-.019	-.021	-.019	-.104	-.106	-.102
		$P_{c,3}/P_\infty = 4.96$			$P_{c,3}/P_\infty = 4.97$			$P_{c,3}/P_\infty = 4.97$			$P_{c,3}/P_\infty = 4.97$		
12.01	.719	-.018	-.012	.002	-.013	-.004	.008	-.102	-.096	-.082	-.094	-.048	-.024
10.39	.737	-.022	-.018	-.012	-.019	-.011	-.007	-.087	-.082	-.075	-.065	-.053	-.046
8.76	.755	-.028	-.022	-.024	-.028	-.020	-.020	-.074	-.073	-.069	-.065	-.062	-.057
7.12	.832	-.046	-.044	-.042	-.043	-.042	-.041	-.064	-.063	-.061	-.050	-.050	-.051
5.56	.870	-.099	-.092	-.095	-.103	-.098	-.099	-.097	-.091	-.092	-.076	-.070	-.071
3.93	.908	-.201	-.200	-.201	-.234	-.225	-.235	-.201	-.198	-.198	-.158	-.159	-.159
2.35	.945	-.254	-.260	-.273	-.277	-.272	-.300	-.327	-.312	-.312	-.261	-.274	-.264
1.54	.964	-.026	-.019	-.047	-.015	-.022	-.004	-.022	-.019	-.017	-.122	-.128	-.128
.73	.983	.026	.023	.076	.023	.020	.026	-.027	-.019	-.016	-.118	-.121	-.112
.30	.993	.073	.073	.067	.046	.050	.045	-.021	-.024	-.022	-.122	-.122	-.113
.17	.996	.073	.073	.069	.048	.051	.044	-.026	-.024	-.019	-.119	-.119	-.115
		$P_{c,3}/P_\infty = 6.99$			$P_{c,3}/P_\infty = 6.96$			$P_{c,3}/P_\infty = 6.98$			$P_{c,3}/P_\infty = 6.97$		
12.01	.719	-.018	-.011	.002	-.013	-.006	.008	-.102	-.097	-.081	-.096	-.051	-.036
10.39	.737	-.022	-.019	-.011	-.020	-.014	-.008	-.087	-.082	-.076	-.064	-.056	-.049
8.76	.755	-.028	-.022	-.026	-.027	-.020	-.022	-.074	-.073	-.068	-.069	-.062	-.057
7.12	.832	-.046	-.043	-.042	-.043	-.042	-.042	-.064	-.063	-.061	-.049	-.050	-.049
5.56	.870	-.100	-.094	-.099	-.104	-.098	-.099	-.096	-.091	-.092	-.076	-.070	-.071
3.93	.908	-.201	-.201	-.201	-.236	-.224	-.234	-.200	-.198	-.198	-.158	-.159	-.159
2.35	.945	-.254	-.260	-.273	-.277	-.272	-.300	-.327	-.312	-.312	-.261	-.274	-.264
1.54	.964	-.026	-.019	-.047	-.015	-.022	-.004	-.022	-.019	-.017	-.122	-.128	-.128
.73	.983	.026	.023	.076	.023	.020	.026	-.027	-.019	-.016	-.118	-.121	-.112
.30	.993	.073	.073	.067	.046	.050	.045	-.021	-.024	-.022	-.122	-.122	-.113
.17	.996	.073	.073	.069	.048	.051	.044	-.026	-.024	-.019	-.119	-.119	-.115
		$P_{c,3}/P_\infty = 8.97$			$P_{c,3}/P_\infty = 8.99$			$P_{c,3}/P_\infty = 8.97$			$P_{c,3}/P_\infty = 8.97$		
12.01	.719	-.020	-.016	-.003	-.013	-.006	.007	-.103	-.097	-.083	-.094	-.050	-.036
10.39	.737	-.026	-.023	-.017	-.020	-.013	-.008	-.088	-.082	-.077	-.065	-.059	-.048
8.76	.755	-.037	-.034	-.030	-.038	-.028	-.022	-.075	-.073	-.068	-.065	-.063	-.058
7.12	.832	-.051	-.050	-.049	-.044	-.044	-.041	-.064	-.063	-.062	-.049	-.050	-.050
5.56	.870	-.103	-.098	-.099	-.103	-.099	-.100	-.097	-.092	-.091	-.075	-.070	-.071
3.93	.908	-.209	-.206	-.207	-.236	-.225	-.235	-.200	-.199	-.198	-.158	-.156	-.154
2.35	.945	-.272	-.270	-.282	-.286	-.284	-.313	-.371	-.359	-.364	-.308	-.308	-.303
1.54	.964	-.041	-.031	-.061	-.007	-.012	-.009	-.034	-.016	-.025	-.211	-.217	-.216
.73	.983	.072	.073	.068	.052	.052	.046	-.037	-.022	-.025	-.150	-.150	-.116
.30	.993	.066	.063	.059	.045	.044	.037	-.043	-.026	-.033	-.150	-.153	-.119
.17	.996	.062	.066	.061	.044	.047	.041	-.033	-.016	-.026	-.125	-.127	-.115
		$P_{c,3}/P_\infty = 10.97$						$P_{c,3}/P_\infty = 11.01$					
12.01	.719							-.101	-.096	-.083	-.095	-.049	-.037
10.39	.737							-.086	-.081	-.074	-.063	-.059	-.047
8.76	.755							-.074	-.071	-.067	-.064	-.063	-.058
7.12	.832							-.064	-.062	-.060	-.052	-.050	-.050
5.56	.870							-.055	-.050	-.051	-.037	-.030	-.031
3.93	.908							-.150	-.157	-.159	-.139	-.139	-.136
2.35	.945							-.366	-.305	-.303	-.269	-.270	-.264
1.54	.964							-.032	-.018	-.025	-.192	-.173	-.159
.73	.983							-.033	-.021	-.026	-.126	-.123	-.109
.30	.993							-.040	-.026	-.033	-.129	-.126	-.115
.17	.996							-.050	-.017	-.028	-.119	-.121	-.109

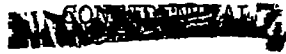


TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(d) Afterbody III - Concluded

$t_3 = 1,200^\circ F$

$\frac{x}{L}$	$\frac{x}{x_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,3}/P_\infty = 1.99$			$P_{c,3}/P_\infty = 2.02$			$P_{c,3}/P_\infty = 2.00$			$P_{c,3}/P_\infty = 1.99$		
12.01	0.719	-0.015	-0.009	0.002	-0.014	-0.006	0.005	-0.101	-0.095	-0.083	-0.044	-0.039	-0.027
10.59	.727	-.021	-.017	-.011	-.021	-.016	-.009	-.089	-.083	-.076	-.056	-.047	-.040
8.76	.733	-.029	-.027	-.023	-.030	-.027	-.023	-.076	-.073	-.070	-.061	-.059	-.053
7.18	.832	-.043	-.042	-.042	-.045	-.044	-.042	-.066	-.065	-.063	-.054	-.051	-.051
5.56	.870	-.057	-.054	-.055	-.060	-.058	-.050	-.057	-.056	-.056	-.047	-.049	-.058
3.93	.908	-.079	-.079	-.076	-.087	-.085	-.075	-.061	-.059	-.059	-.056	-.053	-.053
2.35	.945	-.095	-.093	-.081	-.095	-.093	-.083	-.068	-.066	-.066	-.057	-.056	-.059
1.54	.964	-.094	-.094	-.081	-.097	-.094	-.085	-.068	-.066	-.066	-.057	-.056	-.059
.73	.983	-.083	-.088	-.091	-.095	-.097	-.081	-.060	-.058	-.058	-.049	-.048	-.052
.50	.993	-.083	-.083	-.086	-.093	-.097	-.083	-.063	-.062	-.061	-.052	-.050	-.056
.17	.996	-.082	-.084	-.083	-.093	-.099	-.081	-.061	-.061	-.060	-.050	-.049	-.057
		$P_{c,3}/P_\infty = 3.01$			$P_{c,3}/P_\infty = 3.01$			$P_{c,3}/P_\infty = 3.00$			$P_{c,3}/P_\infty = 3.00$		
12.01	.719	-.019	-.011	-.000	-.011	-.004	-.009	-.101	-.094	-.082	-.045	-.040	-.028
10.59	.727	-.024	-.018	-.013	-.019	-.014	-.006	-.089	-.082	-.077	-.056	-.049	-.042
8.76	.733	-.032	-.026	-.023	-.027	-.025	-.021	-.076	-.074	-.070	-.065	-.060	-.056
7.18	.832	-.046	-.046	-.043	-.048	-.048	-.040	-.064	-.065	-.063	-.054	-.052	-.051
5.56	.870	-.060	-.058	-.054	-.061	-.059	-.052	-.058	-.058	-.058	-.049	-.050	-.059
3.93	.908	-.082	-.082	-.081	-.083	-.082	-.075	-.061	-.060	-.060	-.051	-.052	-.061
2.35	.945	-.095	-.095	-.088	-.097	-.095	-.086	-.069	-.068	-.068	-.059	-.058	-.067
1.54	.964	-.093	-.093	-.086	-.095	-.093	-.084	-.067	-.066	-.066	-.057	-.056	-.065
.73	.983	-.079	-.086	-.088	-.096	-.096	-.086	-.066	-.066	-.066	-.057	-.056	-.065
.50	.993	-.075	-.082	-.082	-.092	-.099	-.080	-.060	-.060	-.060	-.051	-.050	-.059
.17	.996	-.074	-.079	-.081	-.093	-.099	-.078	-.058	-.058	-.058	-.049	-.048	-.057
		$P_{c,3}/P_\infty = 4.96$			$P_{c,3}/P_\infty = 4.99$			$P_{c,3}/P_\infty = 4.97$			$P_{c,3}/P_\infty = 4.99$		
12.01	.719	-.019	-.010	-.000	-.012	-.004	-.006	-.100	-.093	-.082	-.045	-.039	-.027
10.59	.727	-.025	-.018	-.012	-.021	-.014	-.009	-.089	-.083	-.076	-.056	-.049	-.040
8.76	.733	-.032	-.026	-.023	-.027	-.025	-.021	-.076	-.073	-.070	-.061	-.059	-.053
7.18	.832	-.046	-.046	-.043	-.048	-.048	-.040	-.064	-.065	-.063	-.054	-.052	-.051
5.56	.870	-.060	-.058	-.054	-.061	-.059	-.052	-.058	-.058	-.058	-.049	-.050	-.059
3.93	.908	-.082	-.082	-.081	-.083	-.082	-.075	-.061	-.060	-.060	-.051	-.052	-.061
2.35	.945	-.095	-.095	-.088	-.097	-.095	-.086	-.069	-.068	-.068	-.059	-.058	-.067
1.54	.964	-.093	-.093	-.086	-.095	-.093	-.084	-.067	-.066	-.066	-.057	-.056	-.065
.73	.983	-.079	-.086	-.088	-.096	-.096	-.086	-.066	-.066	-.066	-.057	-.056	-.065
.50	.993	-.075	-.082	-.082	-.092	-.099	-.080	-.060	-.060	-.060	-.051	-.050	-.059
.17	.996	-.074	-.079	-.081	-.093	-.099	-.078	-.058	-.058	-.058	-.049	-.048	-.057
		$P_{c,3}/P_\infty = 7.00$			$P_{c,3}/P_\infty = 7.02$			$P_{c,3}/P_\infty = 7.00$			$P_{c,3}/P_\infty = 7.05$		
12.01	.719	-.019	-.010	-.001	-.012	-.006	-.008	-.099	-.093	-.082	-.045	-.039	-.027
10.59	.727	-.024	-.018	-.012	-.021	-.014	-.009	-.089	-.083	-.076	-.056	-.049	-.040
8.76	.733	-.032	-.026	-.023	-.027	-.025	-.021	-.076	-.073	-.070	-.061	-.059	-.053
7.18	.832	-.046	-.046	-.043	-.048	-.048	-.040	-.064	-.065	-.063	-.054	-.052	-.051
5.56	.870	-.060	-.058	-.054	-.061	-.059	-.052	-.058	-.058	-.058	-.049	-.050	-.059
3.93	.908	-.082	-.082	-.081	-.083	-.082	-.075	-.061	-.060	-.060	-.051	-.052	-.061
2.35	.945	-.095	-.095	-.088	-.097	-.095	-.086	-.069	-.068	-.068	-.059	-.058	-.067
1.54	.964	-.093	-.093	-.086	-.095	-.093	-.084	-.067	-.066	-.066	-.057	-.056	-.065
.73	.983	-.079	-.086	-.088	-.096	-.096	-.086	-.066	-.066	-.066	-.057	-.056	-.065
.50	.993	-.075	-.082	-.082	-.092	-.099	-.080	-.060	-.060	-.060	-.051	-.050	-.059
.17	.996	-.074	-.079	-.081	-.093	-.099	-.078	-.058	-.058	-.058	-.049	-.048	-.057
		$P_{c,3}/P_\infty = 8.96$			$P_{c,3}/P_\infty = 9.00$			$P_{c,3}/P_\infty = 9.04$			$P_{c,3}/P_\infty = 9.01$		
12.01	.719	-.017	-.009	-.002	-.010	-.003	-.009	-.099	-.093	-.082	-.040	-.037	-.025
10.59	.727	-.023	-.017	-.012	-.021	-.014	-.009	-.089	-.083	-.076	-.056	-.049	-.040
8.76	.733	-.031	-.026	-.023	-.027	-.025	-.021	-.076	-.073	-.070	-.061	-.059	-.053
7.18	.832	-.046	-.046	-.043	-.048	-.048	-.040	-.064	-.065	-.063	-.054	-.052	-.051
5.56	.870	-.060	-.058	-.054	-.061	-.059	-.052	-.058	-.058	-.058	-.049	-.050	-.059
3.93	.908	-.082	-.082	-.081	-.083	-.082	-.075	-.061	-.060	-.060	-.051	-.052	-.061
2.35	.945	-.095	-.095	-.088	-.097	-.095	-.086	-.069	-.068	-.068	-.059	-.058	-.067
1.54	.964	-.093	-.093	-.086	-.095	-.093	-.084	-.067	-.066	-.066	-.057	-.056	-.065
.73	.983	-.079	-.086	-.088	-.096	-.096	-.086	-.066	-.066	-.066	-.057	-.056	-.065
.50	.993	-.075	-.082	-.082	-.092	-.099	-.080	-.060	-.060	-.060	-.051	-.050	-.059
.17	.996	-.073	-.078	-.073	-.090	-.095	-.074	-.054	-.054	-.054	-.045	-.044	-.053
		$P_{c,3}/P_\infty = 10.96$			$P_{c,3}/P_\infty = 11.06$			$P_{c,3}/P_\infty = 11.06$			$P_{c,3}/P_\infty = 11.06$		
12.01	.719	-.010	-.002	-.009	-.010	-.002	-.009	-.101	-.094	-.080	-.041	-.036	-.027
10.59	.727	-.016	-.012	-.005	-.016	-.012	-.005	-.088	-.083	-.073	-.052	-.046	-.036
8.76	.733	-.024	-.024	-.019	-.024	-.024	-.019	-.077	-.074	-.073	-.061	-.058	-.052
7.18	.832	-.038	-.038	-.034	-.041	-.041	-.034	-.065	-.065	-.065	-.056	-.052	-.053
5.56	.870	-.052	-.052	-.048	-.056	-.056	-.048	-.057	-.056	-.056	-.047	-.048	-.059
3.93	.908	-.076	-.076	-.072	-.080	-.080	-.072	-.061	-.060	-.060	-.051	-.052	-.061
2.35	.945	-.090	-.090	-.086	-.094	-.094	-.086	-.069	-.068	-.068	-.059	-.058	-.067
1.54	.964	-.088	-.088	-.084	-.092	-.092	-.084	-.067	-.066	-.066	-.057	-.056	-.065
.73	.983	-.071	-.078	-.078	-.086	-.086	-.078	-.060	-.060	-.060	-.051	-.050	-.059
.50	.993	-.061	-.061	-.061	-.069	-.069	-.061	-.043	-.043	-.043	-.034	-.034	-.043
.17	.996	-.054	-.054	-.054	-.062	-.062	-.054	-.031	-.031	-.031	-.022	-.022	-.031



TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(a) Afterbody IV

$t_j = \text{Cold}$

$\frac{x}{d_j}$	$\frac{x}{l_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 1.06$			$P_{t,j}/P_\infty = 1.08$			$P_{t,j}/P_\infty = 1.11$			$P_{t,j}/P_\infty = 1.06$		
7.95	0.722	-0.043	-0.027	-0.006	-0.036	-0.049	0.002	-0.150	-0.126	-0.097	-0.073	-0.070	-0.019
7.36	.742	-.042	-.032	-.016	-.036	-.021	-.009	-.119	-.107	-.080	-.055	-.042	-.022
6.22	.782	-.059	-.061	-.037	-.059	-.061	-.056	-.099	-.091	-.068	-.052	-.044	-.038
5.08	.822	-.128	-.125	-.121	-.146	-.144	-.140	-.174	-.174	-.171	-.129	-.125	-.121
3.94	.862	-.147	-.143	-.146	-.176	-.176	-.176	-.262	-.266	-.265	-.215	-.219	-.215
2.80	.902	-.132	-.109	-.115	-.125	-.122	-.127	-.311	-.302	-.302	-.261	-.221	-.229
1.65	.942	-.058	-.038	-.041	-.051	-.052	-.037	-.087	-.105	-.129	-.176	-.274	-.280
1.08	.962	.012	.009	.006	.025	.020	.016	.068	.062	.057	-.197	-.215	-.236
.51	.982	.067	.065	.060	.085	.080	.076	.123	.120	.116	.028	.015	.005
.23	.992	.098	.096	.092	.119	.115	.113	.158	.156	.154	.073	.066	.054
.11	.996	.113	.115	.108	.130	.130	.128	.144	.145	.141	.063	.079	.077
		$P_{t,j}/P_\infty = 1.99$			$P_{t,j}/P_\infty = 1.99$			$P_{t,j}/P_\infty = 2.00$			$P_{t,j}/P_\infty = 2.01$		
7.95	.722	-.040	-.025	-.005	-.036	-.020	.004	-.153	-.131	-.100	-.077	-.051	-.020
7.36	.742	-.027	-.028	-.012	-.035	-.025	-.008	-.120	-.108	-.075	-.056	-.043	-.024
6.22	.782	-.064	-.056	-.032	-.059	-.059	-.054	-.102	-.094	-.070	-.053	-.045	-.040
5.08	.822	-.123	-.119	-.116	-.147	-.143	-.139	-.178	-.177	-.173	-.123	-.119	-.117
3.94	.862	-.139	-.141	-.140	-.173	-.174	-.172	-.265	-.268	-.269	-.207	-.210	-.208
2.80	.902	-.103	-.100	-.104	-.118	-.119	-.120	-.314	-.309	-.309	-.291	-.243	-.250
1.65	.942	-.024	-.023	-.028	-.019	-.024	-.047	-.074	-.068	-.068	-.264	-.264	-.269
1.08	.962	.028	.026	.022	.042	.039	.035	.083	.078	.078	-.203	-.216	-.232
.51	.982	.086	.082	.079	.104	.102	.099	.139	.136	.134	.012	.002	-.004
.23	.992	.117	.114	.112	.140	.139	.139	.154	.152	.152	.062	.059	.059
.11	.996	.129	.126	.121	.154	.148	.146	.159	.160	.162	.073	.073	.073
		$P_{t,j}/P_\infty = 3.00$			$P_{t,j}/P_\infty = 2.99$			$P_{t,j}/P_\infty = 3.02$					
7.95	.722				-.034	-.019	.002	-.152	-.130	-.099	-.075	-.049	-.018
7.36	.742				-.035	-.024	-.007	-.119	-.106	-.071	-.054	-.041	-.022
6.22	.782				-.067	-.058	-.033	-.101	-.093	-.066	-.051	-.042	-.037
5.08	.822				-.147	-.143	-.137	-.178	-.177	-.173	-.123	-.118	-.114
3.94	.862				-.171	-.172	-.172	-.265	-.266	-.264	-.206	-.210	-.207
2.80	.902				-.117	-.112	-.119	-.313	-.305	-.308	-.252	-.243	-.250
1.65	.942				-.017	-.017	-.023	-.080	-.090	-.106	-.269	-.264	-.268
1.08	.962				.044	.039	.036	.069	.069	.063	-.222	-.229	-.241
.51	.982				.108	.102	.098	.126	.126	.126	-.011	-.020	-.027
.23	.992				.141	.135	.132	.144	.144	.146	.052	.057	.048
.11	.996				.150	.149	.143	.149	.151	.153	.064	.064	.064
		$P_{t,j}/P_\infty = 3.29 \text{ (max.)}$											
7.95	.722							-.152	-.126	-.097			
7.36	.742							-.119	-.107	-.090			
6.22	.782							-.100	-.092	-.068			
5.08	.822							-.173	-.173	-.172			
3.94	.862							-.265	-.265	-.266			
2.80	.902							-.312	-.301	-.306			
1.65	.942							-.083	-.096	-.114			
1.08	.962							.059	.069	.063			
.51	.982							.126	.126	.126			
.23	.992							.141	.143	.144			
.11	.996							.149	.151	.153			

TABLE III.- AFTEROODY PRESSURE COEFFICIENTS - Continued

(e) Afterbody IV - Continued

 $t_j = 800^\circ F$

$\frac{x}{d}$	$\frac{x}{t_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 1.99$			$P_{t,j}/P_\infty = 1.97$			$P_{t,j}/P_\infty = 1.96$			$P_{t,j}/P_\infty = 2.01$		
7.95	0.722	-0.046	-0.086	-0.095	-0.056	-0.081	0.003	-0.154	-0.150	-0.099	-0.079	-0.052	-0.081
7.36	.742	-0.038	-0.089	-0.083	-0.034	-0.085	-0.008	-0.121	-0.110	-0.075	-0.059	-0.046	-0.086
6.82	.782	-0.067	-0.077	-0.092	-0.067	-0.059	-0.034	-0.102	-0.093	-0.060	-0.054	-0.047	-0.043
5.94	.822	-0.125	-0.120	-0.115	-0.145	-0.141	-0.136	-0.177	-0.176	-0.172	-0.125	-0.122	-0.116
5.94	.862	-0.142	-0.142	-0.139	-0.170	-0.171	-0.169	-0.203	-0.207	-0.203	-0.207	-0.211	-0.207
2.80	.902	-0.102	-0.100	-0.102	-0.115	-0.115	-0.117	-0.111	-0.104	-0.106	-0.086	-0.085	-0.086
1.65	.942	-0.025	-0.021	-0.027	-0.015	-0.016	-0.021	-0.044	-0.034	-0.028	-0.026	-0.025	-0.029
1.08	.962	0.030	0.030	0.026	0.045	0.039	0.034	0.079	0.076	0.076	-0.153	-0.172	-0.194
.91	.982	0.091	0.089	0.086	0.115	0.108	0.106	0.136	0.134	0.134	0.046	0.036	0.033
.23	.992	0.124	0.122	0.122	0.149	0.143	0.143	0.149	0.151	0.152	0.079	0.075	0.077
.11	.996	0.137	0.134	0.133	0.160	0.158	0.156	0.157	0.158	0.158	0.087	0.085	0.086
		$P_{t,j}/P_\infty = 2.98$			$P_{t,j}/P_\infty = 2.98$			$P_{t,j}/P_\infty = 2.99$			$P_{t,j}/P_\infty = 3.00$		
7.95	.722	-0.059	-0.025	-0.005	-0.056	-0.021	0.008	-0.150	-0.127	-0.096	-0.080	-0.052	-0.021
7.36	.742	-0.038	-0.028	-0.012	-0.023	-0.024	-0.007	-0.116	-0.102	-0.086	-0.058	-0.045	-0.026
6.82	.782	-0.065	-0.056	-0.052	-0.068	-0.059	-0.034	-0.097	-0.089	-0.085	-0.054	-0.046	-0.042
5.94	.822	-0.122	-0.119	-0.115	-0.146	-0.142	-0.136	-0.175	-0.173	-0.169	-0.125	-0.121	-0.117
5.94	.862	-0.131	-0.140	-0.139	-0.170	-0.171	-0.169	-0.201	-0.205	-0.200	-0.207	-0.211	-0.207
2.80	.902	-0.102	-0.100	-0.102	-0.116	-0.115	-0.117	-0.105	-0.104	-0.102	-0.089	-0.086	-0.089
1.65	.942	-0.021	-0.023	-0.027	-0.016	-0.018	-0.023	-0.061	-0.071	-0.055	-0.066	-0.064	-0.069
1.08	.962	0.029	0.027	0.025	0.044	0.042	0.037	0.076	0.074	0.071	-0.178	-0.195	-0.214
.91	.982	0.091	0.087	0.085	0.110	0.108	0.104	0.135	0.135	0.135	0.049	0.040	0.015
.23	.992	0.122	0.119	0.119	0.144	0.141	0.141	0.152	0.151	0.154	0.070	0.067	0.068
.11	.996	0.132	0.131	0.130	0.156	0.155	0.152	0.158	0.159	0.160	0.079	0.078	0.080
		$P_{t,j}/P_\infty = 4.99$			$P_{t,j}/P_\infty = 4.99$			$P_{t,j}/P_\infty = 4.99$			$P_{t,j}/P_\infty = 4.99$		
7.95	.722							-0.145	-0.122	-0.095	-0.080	-0.052	-0.020
7.36	.742							-0.110	-0.099	-0.085	-0.059	-0.046	-0.025
6.82	.782							-0.091	-0.084	-0.081	-0.054	-0.047	-0.042
5.94	.822							-0.171	-0.169	-0.165	-0.126	-0.121	-0.117
5.94	.862							-0.257	-0.258	-0.255	-0.206	-0.209	-0.207
2.80	.902							-0.300	-0.295	-0.296	-0.246	-0.245	-0.247
1.65	.942							-0.072	-0.079	-0.095	-0.065	-0.062	-0.068
1.08	.962							0.076	0.071	0.069	-0.132	-0.167	-0.189
.91	.982							0.136	0.135	0.135	0.045	0.036	0.025
.23	.992							0.154	0.154	0.156	0.080	0.076	0.079
.11	.996							0.160	0.161	0.165	0.088	0.087	0.089

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(e) Afterbody IV.- Concluded

$t_1 = 1,200^\circ F$

$\frac{x}{d_j}$	$\frac{x}{t_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,1}/P_\infty = 1.99$			$P_{t,1}/P_\infty = 1.99$			$P_{t,1}/P_\infty = 2.04$			$P_{t,1}/P_\infty = 2.01$		
7.95	0.722	-0.059	-0.025	-0.003	-0.055	-0.017	0.006	-0.152	-0.126	-0.098	-0.085	-0.095	-0.025
7.36	.742	-.057	-.028	-.010	-.051	-.021	-.005	-.117	-.107	-.093	-.062	-.068	-.025
6.22	.782	-.065	-.097	-.055	-.066	-.097	-.051	-.100	-.092	-.090	-.059	-.050	-.045
5.08	.822	-.120	-.120	-.116	-.114	-.110	-.135	-.178	-.178	-.175	-.150	-.125	-.122
5.94	.862	-.132	-.142	-.138	-.159	-.171	-.169	-.205	-.209	-.206	-.211	-.214	-.211
2.80	.902	-.102	-.100	-.105	-.125	-.112	-.116	-.215	-.209	-.211	-.252	-.249	-.211
1.65	.942	-.020	-.021	-.026	-.015	-.014	-.019	-.047	-.077	-.069	-.270	-.268	-.272
1.06	.962	.035	.051	.028	.048	.046	.041	.021	.077	.076	-.129	-.151	-.175
.51	.982	.055	.050	.069	.116	.114	.111	.132	.152	.152	.052	.045	.041
.25	.992	.131	.126	.125	.152	.151	.149	.148	.148	.151	.078	.076	.079
.11	.996	.142	.139	.138	.154	.154	.153	.153	.154	.156	.086	.085	.087
		$P_{t,1}/P_\infty = 3.00$			$P_{t,1}/P_\infty = 2.95$			$P_{t,1}/P_\infty = 3.00$			$P_{t,1}/P_\infty = 3.04$		
7.95	.722	-.058	-.025	-.003	-.056	-.019	.005	-.152	-.128	-.097	-.062	-.052	-.020
7.36	.742	-.058	-.028	-.012	-.052	-.026	-.008	-.117	-.107	-.095	-.062	-.047	-.027
6.22	.782	-.064	-.096	-.055	-.067	-.095	-.055	-.100	-.095	-.091	-.056	-.049	-.045
5.08	.822	-.125	-.119	-.115	-.127	-.121	-.138	-.178	-.177	-.174	-.127	-.124	-.120
5.94	.862	-.139	-.141	-.138	-.172	-.172	-.171	-.205	-.208	-.204	-.209	-.212	-.208
2.80	.902	-.101	-.092	-.105	-.117	-.114	-.118	-.214	-.209	-.210	-.250	-.246	-.248
1.65	.942	-.020	-.021	-.026	-.015	-.017	-.021	-.059	-.069	-.061	-.269	-.267	-.271
1.06	.962	.031	.030	.026	.048	.044	.039	.077	.075	.072	-.150	-.170	-.158
.51	.982	.075	.089	.067	.114	.109	.109	.129	.129	.131	.044	.056	.053
.25	.992	.125	.124	.125	.149	.145	.144	.146	.147	.150	.075	.072	.075
.11	.996	.136	.136	.134	.159	.158	.157	.151	.153	.155	.084	.082	.086
					$P_{t,1}/P_\infty = 5.05$			$P_{t,1}/P_\infty = 4.99$			$P_{t,1}/P_\infty = 5.01$		
7.95	.722				-.055	-.017	.007	-.121	-.127	-.098	-.078	-.050	-.020
7.36	.742				-.051	-.022	-.004	-.117	-.108	-.092	-.055	-.042	-.024
6.22	.782				-.064	-.097	-.052	-.099	-.091	-.091	-.052	-.044	-.040
5.08	.822				-.113	-.139	-.156	-.178	-.177	-.174	-.125	-.120	-.117
5.94	.862				-.166	-.168	-.167	-.204	-.208	-.205	-.205	-.211	-.208
2.80	.902				-.111	-.107	-.112	-.213	-.208	-.210	-.252	-.246	-.250
1.65	.942				-.034	-.026	-.011	-.045	-.055	-.054	-.269	-.266	-.271
1.06	.962				.065	.059	.070	.094	.079	.078	-.161	-.179	-.158
.51	.982				.135	.132	.129	.134	.135	.136	.059	.055	.051
.25	.992				.174	.170	.171	.151	.152	.154	.074	.075	.075
.11	.996				.186	.187	.185	.157	.158	.161	.082	.082	.086

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(f) Afterbody V

 $t_3 = \text{cold}$

$\frac{x}{d_3}$	$\frac{x}{l_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,3}/P_\infty = 1.08$			$P_{t,3}/P_\infty = 1.10$			$P_{t,3}/P_\infty = 1.09$			$P_{t,3}/P_\infty = 1.01$		
7.95	0.722	-0.059	-0.025	-0.003	-0.054	-0.017	0.006	-0.153	-0.131	-0.100	-0.078	-0.053	-0.022
7.36	.742	-0.057	-0.025	-0.004	-0.051	-0.020	0.005	-0.116	-0.103	-0.080	-0.055	-0.040	-0.026
6.22	.782	-0.049	-0.019	-0.004	-0.045	-0.011	-0.030	-0.100	-0.095	-0.084	-0.054	-0.031	-0.019
5.08	.822	-0.054	-0.021	-0.011	-0.052	-0.025	-0.025	-0.107	-0.105	-0.102	-0.070	-0.053	-0.036
5.94	.862	-0.151	-0.147	-0.141	-0.176	-0.172	-0.167	-0.194	-0.191	-0.185	-0.149	-0.147	-0.141
2.80	.902	-0.196	-0.191	-0.193	-0.245	-0.241	-0.242	-0.311	-0.306	-0.307	-0.244	-0.241	-0.241
1.65	.942	-0.128	-0.123	-0.123	-0.127	-0.128	-0.127	-0.290	-0.287	-0.300	-0.241	-0.236	-0.239
1.08	.962	-0.038	-0.042	-0.051	-0.017	-0.023	-0.031	-0.008	-0.010	-0.017	-0.026	-0.026	-0.022
.51	.982	0.073	0.074	0.065	0.105	0.108	0.092	0.039	0.039	0.044	0.032	0.031	0.027
.23	.992	0.134	0.133	0.127	0.150	0.149	0.146	0.052	0.052	0.049	0.012	0.012	0.015
.11	.996	0.155	0.155	0.150	0.166	0.166	0.165	0.057	0.057	0.054	-0.009	-0.008	-0.006
		$P_{t,3}/P_\infty = 2.01$			$P_{t,3}/P_\infty = 1.99$			$P_{t,3}/P_\infty = 2.00$			$P_{t,3}/P_\infty = 2.05$		
7.95	.722	-0.055	-0.023	0.000	-0.052	-0.014	0.008	-0.153	-0.129	-0.096	-0.079	-0.054	-0.025
7.36	.742	-0.054	-0.024	-0.002	-0.028	-0.018	0.006	-0.116	-0.105	-0.076	-0.055	-0.040	-0.027
6.22	.782	-0.046	-0.042	-0.031	-0.042	-0.040	-0.027	-0.097	-0.095	-0.084	-0.056	-0.035	-0.021
5.08	.822	-0.052	-0.077	-0.076	-0.066	-0.084	-0.082	-0.102	-0.100	-0.101	-0.072	-0.068	-0.056
5.94	.862	-0.145	-0.140	-0.136	-0.171	-0.167	-0.161	-0.194	-0.189	-0.184	-0.149	-0.147	-0.140
2.80	.902	-0.157	-0.151	-0.152	-0.250	-0.220	-0.229	-0.309	-0.303	-0.303	-0.243	-0.240	-0.241
1.65	.942	-0.124	-0.110	-0.117	-0.111	-0.111	-0.119	-0.170	-0.165	-0.165	-0.141	-0.137	-0.139
1.08	.962	-0.020	-0.026	-0.034	0.002	-0.005	-0.015	0.024	0.015	0.011	0.017	0.015	0.019
.51	.982	0.094	0.091	0.085	0.124	0.117	0.111	0.024	0.020	0.019	0.029	0.026	0.020
.23	.992	0.145	0.144	0.142	0.167	0.165	0.162	0.060	0.059	0.060	0.017	0.022	0.023
.11	.996	0.166	0.164	0.165	0.179	0.176	0.176	0.063	0.063	0.068	-0.015	-0.018	-0.018
		$P_{t,3}/P_\infty = 2.79 \text{ (max.)}$			$P_{t,3}/P_\infty = 3.00$			$P_{t,3}/P_\infty = 2.99$			$P_{t,3}/P_\infty = 3.00$		
7.95	.722	-0.056	-0.021	0.000	-0.053	-0.016	0.007	-0.153	-0.149	-0.078	-0.077	-0.028	-0.021
7.36	.742	-0.054	-0.024	-0.001	-0.050	-0.019	0.007	-0.116	-0.103	-0.076	-0.055	-0.039	-0.024
6.22	.782	-0.048	-0.011	-0.002	-0.044	-0.010	-0.030	-0.097	-0.092	-0.082	-0.054	-0.030	-0.016
5.08	.822	-0.053	-0.077	-0.075	-0.069	-0.089	-0.085	-0.103	-0.102	-0.100	-0.069	-0.066	-0.054
5.94	.862	-0.144	-0.141	-0.136	-0.172	-0.170	-0.165	-0.192	-0.189	-0.185	-0.146	-0.147	-0.139
2.80	.902	-0.128	-0.120	-0.122	-0.234	-0.230	-0.230	-0.302	-0.294	-0.304	-0.242	-0.240	-0.240
1.65	.942	-0.112	-0.111	-0.113	-0.114	-0.115	-0.121	-0.202	-0.205	-0.205	-0.159	-0.157	-0.158
1.08	.962	-0.021	-0.026	-0.034	0.001	-0.006	0.016	0.015	0.002	0.003	0.027	0.024	0.027
.51	.982	0.090	0.088	0.080	0.118	0.114	0.107	0.042	0.038	0.039	0.036	0.034	0.030
.23	.992	0.144	0.145	0.138	0.162	0.160	0.160	0.049	0.047	0.051	0.021	0.028	0.030
.11	.996	0.164	0.164	0.162	0.177	0.174	0.175	0.051	0.051	0.057	-0.018	-0.023	-0.024



TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(f) Afterbody V - Continued

$\alpha_1 = 90^\circ$

X	K L _{max}	Pressure coefficients for -											
		M _∞ = 0.80			M _∞ = 0.90			M _∞ = 1.00			M _∞ = 1.10		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		P _{c,1} /P _∞ = 2.01			P _{c,1} /P _∞ = 1.96			P _{c,1} /P _∞ = 1.96			P _{c,1} /P _∞ = 1.99		
7.95	0.722	-0.056	-0.023	0.000	-0.030	-0.016	0.005	-0.154	-0.131	-0.095	-0.077	-0.053	-0.021
7.96	7.2	-0.055	-0.023	-0.001	-0.028	-0.018	-0.007	-0.118	-0.106	-0.077	-0.054	-0.040	-0.026
8.22	7.62	-0.047	-0.041	-0.031	-0.043	-0.039	-0.027	-0.099	-0.075	-0.054	-0.031	-0.011	-0.026
8.26	8.22	-0.021	-0.078	-0.076	-0.055	-0.062	-0.050	-0.107	-0.105	-0.105	-0.071	-0.067	-0.063
8.28	8.62	-0.045	-0.141	-0.154	-0.169	-0.165	-0.160	-0.196	-0.195	-0.185	-0.151	-0.145	-0.140
8.50	9.04	-0.105	-0.180	-0.180	-0.206	-0.222	-0.227	-0.311	-0.309	-0.305	-0.285	-0.283	-0.284
8.65	9.2	-0.110	-0.206	-0.212	-0.204	-0.209	-0.213	-0.256	-0.251	-0.246	-0.239	-0.237	-0.239
1.06	9.62	-0.017	-0.019	-0.028	-0.012	-0.005	-0.005	0.024	0.010	0.005	-0.045	-0.021	-0.022
1.1	9.62	-0.013	-0.099	-0.092	-0.121	-0.125	-0.120	0.056	0.041	0.042	-0.016	-0.027	-0.027
1.1	9.92	-0.156	-0.155	-0.152	-0.171	-0.170	-0.168	0.054	0.050	0.052	-0.009	-0.015	-0.012
1.1	9.96	-0.175	-0.174	-0.175	-0.184	-0.182	-0.181	0.058	0.056	0.050	-0.006	-0.009	-0.007
		P _{c,2} /P _∞ = 3.01			P _{c,2} /P _∞ = 2.96			P _{c,2} /P _∞ = 2.97			P _{c,2} /P _∞ = 3.00		
7.95	7.22	-0.037	-0.023	-0.004	-0.032	-0.017	0.005	-0.153	-0.150	-0.108	-0.079	-0.053	-0.021
7.96	7.2	-0.035	-0.023	-0.001	-0.029	-0.019	0.005	-0.117	-0.105	-0.076	-0.054	-0.040	-0.027
8.22	7.62	-0.046	-0.042	-0.030	-0.044	-0.040	-0.027	-0.100	-0.094	-0.085	-0.059	-0.049	-0.037
8.26	8.22	-0.021	-0.079	-0.076	-0.056	-0.063	-0.051	-0.104	-0.105	-0.104	-0.071	-0.066	-0.063
8.28	8.62	-0.1	-0.140	-0.154	-0.171	-0.169	-0.160	-0.194	-0.194	-0.183	-0.150	-0.147	-0.140
8.50	9.04	-0.107	-0.179	-0.182	-0.212	-0.227	-0.226	-0.310	-0.305	-0.305	-0.284	-0.282	-0.281
8.65	9.2	-0.107	-0.107	-0.117	-0.109	-0.111	-0.118	-0.172	-0.203	-0.203	-0.240	-0.237	-0.239
1.06	9.62	-0.017	-0.021	-0.029	0.004	-0.001	-0.010	0.020	0.006	0.002	-0.077	-0.056	-0.059
1.1	9.62	-0.099	-0.097	-0.089	-0.125	-0.122	-0.115	0.044	0.039	0.041	-0.028	-0.037	-0.036
1.1	9.92	-0.155	-0.152	-0.145	-0.168	-0.166	-0.164	0.053	0.048	0.051	-0.017	-0.023	-0.020
1.1	9.96	-0.172	-0.171	-0.172	-0.180	-0.179	-0.179	0.055	0.054	0.059	-0.016	-0.019	-0.014
		P _{c,1} /P _∞ = 4.21 (max.)			P _{c,1} /P _∞ = 3.71 (max.)			P _{c,1} /P _∞ = 4.54			P _{c,1} /P _∞ = 5.01		
7.95	7.22	-0.044	-0.021	-0.001	-0.032	-0.016	0.007	-0.155	-0.150	-0.101	-0.079	-0.054	-0.023
7.96	7.2	-0.035	-0.024	-0.002	-0.034	-0.018	0.007	-0.112	-0.105	-0.078	-0.054	-0.040	-0.027
8.22	7.62	-0.047	-0.042	-0.032	-0.044	-0.038	-0.027	-0.099	-0.093	-0.084	-0.059	-0.049	-0.036
8.26	8.22	-0.024	-0.077	-0.076	-0.056	-0.063	-0.051	-0.105	-0.105	-0.102	-0.072	-0.066	-0.065
8.28	8.62	-0.1	-0.140	-0.156	-0.170	-0.166	-0.161	-0.194	-0.190	-0.186	-0.147	-0.147	-0.138
8.50	9.04	-0.104	-0.180	-0.181	-0.210	-0.226	-0.226	-0.309	-0.305	-0.305	-0.280	-0.278	-0.281
8.65	9.2	-0.104	-0.104	-0.112	-0.102	-0.103	-0.111	-0.215	-0.242	-0.238	-0.239	-0.237	-0.237
1.06	9.62	-0.012	-0.017	-0.024	0.017	0.010	-0.001	0.012	0.01	-0.007	-0.035	-0.028	-0.027
1.1	9.62	-0.08	-0.10	-0.095	-0.134	-0.132	-0.125	0.043	0.037	0.037	-0.027	-0.036	-0.035
1.1	9.92	-0.159	-0.156	-0.155	-0.174	-0.173	-0.173	0.051	0.051	0.051	-0.015	-0.020	-0.021
1.1	9.96	-0.177	-0.176	-0.176	-0.185	-0.185	-0.186	0.059	0.051	0.059	-0.012	-0.017	-0.015



TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(f) Afterbody V - Concluded

 $t_3 = 1,200^\circ F$

$\frac{x}{L}$	$\frac{x}{L}_{max}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,d}/P_\infty = 1.99$			$P_{c,d}/P_\infty = 1.99$			$P_{c,d}/P_\infty = 2.00$			$P_{c,d}/P_\infty = 1.99$		
7.93	0.722	-0.053	-0.019	0.002	-0.029	-0.014	0.009	-0.152	-0.150	-0.099	-0.076	-0.050	-0.018
7.36	.742	-.051	-.021	-.001	-.026	-.016	-.006	-.118	-.104	-.082	-.052	-.028	-.009
6.22	.782	-.044	-.039	-.030	-.040	-.036	-.027	-.097	-.095	-.084	-.052	-.049	-.037
5.05	.822	-.079	-.072	-.075	-.084	-.080	-.078	-.103	-.102	-.102	-.067	-.065	-.051
3.94	.862	-.142	-.150	-.133	-.168	-.165	-.158	-.154	-.191	-.183	-.148	-.144	-.137
2.80	.902	-.182	-.177	-.178	-.222	-.225	-.224	-.210	-.205	-.204	-.242	-.237	-.236
1.69	.942	-.103	-.102	-.109	-.102	-.102	-.112	-.161	-.205	-.256	-.237	-.235	-.236
1.08	.962	-.009	-.014	-.021	.015	.009	-.001	.022	.007	.022	-.136	-.137	-.159
.51	.982	.112	.105	.099	.125	.130	.124	.044	.039	.041	-.016	-.027	-.027
.23	.992	.163	.162	.158	.174	.174	.171	.051	.049	.052	-.009	-.014	-.013
.11	.996	.180	.179	.178	.185	.184	.185	.053	.053	.058	-.007	-.010	-.006
		$P_{c,d}/P_\infty = 3.01$			$P_{c,d}/P_\infty = 2.98$			$P_{c,d}/P_\infty = 3.00$			$P_{c,d}/P_\infty = 3.02$		
7.93	.722	-.036	-.021	-.000	-.030	-.014	.009	-.152	-.131	-.100	-.076	-.049	-.018
7.36	.742	-.032	-.023	-.005	-.027	-.016	.006	-.118	-.105	-.082	-.052	-.028	-.008
6.22	.782	-.046	-.041	-.031	-.041	-.037	-.027	-.097	-.095	-.085	-.050	-.047	-.036
5.05	.822	-.081	-.077	-.076	-.084	-.081	-.079	-.104	-.103	-.102	-.069	-.062	-.050
3.94	.862	-.144	-.140	-.135	-.169	-.165	-.159	-.154	-.191	-.184	-.146	-.143	-.136
2.80	.902	-.189	-.179	-.180	-.229	-.222	-.224	-.211	-.206	-.205	-.240	-.237	-.237
1.69	.942	-.105	-.102	-.113	-.103	-.103	-.112	-.159	-.201	-.257	-.236	-.235	-.234
1.08	.962	-.012	-.016	-.025	.013	.007	-.003	.022	.007	.003	-.189	-.189	-.215
.51	.982	.105	.103	.096	.133	.129	.122	.044	.039	.042	-.023	-.025	-.028
.23	.992	.160	.158	.154	.175	.175	.171	.051	.049	.053	-.014	-.021	-.020
.11	.996	.177	.176	.175	.184	.184	.185	.054	.052	.060	-.013	-.017	-.013
		$P_{c,d}/P_\infty = 4.55 (max.)$			$P_{c,d}/P_\infty = 5.01$			$P_{c,d}/P_\infty = 4.97$			$P_{c,d}/P_\infty = 4.99$		
7.93	.722	-.036	-.022	-.001	-.031	-.015	.008	-.153	-.130	-.100	-.077	-.050	-.019
7.36	.742	-.033	-.023	-.003	-.028	-.017	.004	-.118	-.105	-.082	-.054	-.028	-.008
6.22	.782	-.046	-.042	-.032	-.042	-.038	-.028	-.098	-.095	-.085	-.050	-.047	-.036
5.05	.822	-.081	-.078	-.076	-.085	-.082	-.080	-.104	-.103	-.102	-.067	-.064	-.053
3.94	.862	-.144	-.140	-.135	-.168	-.165	-.158	-.154	-.191	-.184	-.147	-.144	-.136
2.80	.902	-.183	-.178	-.178	-.223	-.219	-.220	-.210	-.205	-.204	-.240	-.237	-.237
1.69	.942	-.102	-.100	-.107	-.096	-.096	-.105	-.175	-.212	-.267	-.237	-.234	-.236
1.08	.962	-.003	-.008	-.016	.024	.018	.009	.080	.007	.008	-.209	-.209	-.240
.51	.982	.117	.114	.109	.144	.141	.136	.046	.041	.044	-.026	-.025	-.032
.23	.992	.169	.168	.165	.182	.181	.181	.055	.052	.056	-.014	-.020	-.018
.11	.996	.185	.185	.185	.192	.192	.193	.059	.058	.064	-.011	-.015	-.012

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(g) Afterbody VI

$t_1 = \text{Cold}$

$\frac{x}{d_j}$	$\frac{x}{x_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 1.05$			$P_{t,j}/P_\infty = 1.01$			$P_{t,j}/P_\infty = 0.90$			$P_{t,j}/P_\infty = 0.97$		
7.95	0.722	-0.030	-0.018	0.005	-0.085	-0.010	0.011	-0.131	-0.189	-0.100	-0.076	-0.022	-0.022
7.56	.742	-.025	-.016	-.001	-.019	-.016	-.007	-.119	-.107	-.097	-.077	-.042	-.030
6.22	.782	-.027	-.024	-.015	-.019	-.016	-.007	-.087	-.085	-.079	-.050	-.047	-.035
5.08	.822	-.028	-.026	-.028	-.028	-.028	-.023	-.071	-.072	-.068	-.052	-.053	-.042
3.94	.862	-.028	-.021	-.060	-.025	-.024	-.024	-.066	-.065	-.065	-.074	-.025	-.026
2.80	.902	-.132	-.124	-.150	-.125	-.127	-.156	-.125	-.130	-.130	-.066	-.032	-.025
1.66	.942	-.211	-.229	-.249	-.229	-.246	-.257	-.283	-.276	-.283	-.299	-.296	-.299
1.08	.962	-.225	-.225	-.250	-.225	-.224	-.250	-.275	-.256	-.277	-.287	-.245	-.249
.51	.982	-.026	-.024	-.040	-.025	-.020	-.007	-.028	-.027	-.021	-.122	-.125	-.125
.23	.992	-.043	-.042	-.043	-.007	-.008	-.012	-.025	-.020	-.024	-.124	-.125	-.124
.11	.996	-.043	-.044	-.043	-.008	-.009	-.012	-.026	-.024	-.024	-.124	-.127	-.125
		$P_{t,j}/P_\infty = 1.96$			$P_{t,j}/P_\infty = 1.96$			$P_{t,j}/P_\infty = 2.00$			$P_{t,j}/P_\infty = 2.02$		
7.95	.722	-.030	-.017	.004	-.022	-.009	.014	-.152	-.131	-.099	-.078	-.022	-.022
7.56	.742	-.027	-.016	-.002	-.019	-.007	.007	-.120	-.109	-.099	-.058	-.042	-.029
6.22	.782	-.027	-.024	-.015	-.019	-.015	-.005	-.090	-.086	-.078	-.051	-.048	-.035
5.08	.822	-.026	-.024	-.029	-.028	-.027	-.019	-.072	-.074	-.069	-.053	-.052	-.042
3.94	.862	-.021	-.029	-.061	-.026	-.022	-.021	-.066	-.066	-.066	-.025	-.024	-.024
2.80	.902	-.150	-.152	-.149	-.152	-.154	-.139	-.128	-.130	-.130	-.058	-.032	-.029
1.66	.942	-.216	-.221	-.228	-.222	-.240	-.250	-.285	-.278	-.283	-.202	-.225	-.200
1.08	.962	-.202	-.224	-.226	-.109	-.143	-.124	-.110	-.112	-.119	-.111	-.117	-.145
.51	.982	-.020	-.028	.020	-.026	-.012	.005	-.024	-.027	-.029	-.125	-.122	-.127
.23	.992	-.042	-.026	.021	-.019	-.007	.000	-.025	-.022	-.021	-.124	-.127	-.124
.11	.996	-.028	-.021	-.029	-.016	-.004	-.002	-.021	-.022	-.021	-.124	-.127	-.126
		$P_{t,j}/P_\infty = 2.66 \text{ (max.)}$			$P_{t,j}/P_\infty = 2.87 \text{ (max.)}$			$P_{t,j}/P_\infty = 3.01$			$P_{t,j}/P_\infty = 3.01$		
7.95	.722	-.028	-.015	.004	-.025	-.010	.013	-.153	-.131	-.102	-.078	-.022	-.022
7.56	.742	-.025	-.014	-.000	-.019	-.008	.007	-.120	-.108	-.097	-.056	-.041	-.028
6.22	.782	-.025	-.024	-.014	-.021	-.017	-.005	-.090	-.087	-.079	-.050	-.046	-.032
5.08	.822	-.024	-.024	-.025	-.029	-.027	-.022	-.073	-.074	-.064	-.053	-.051	-.043
3.94	.862	-.020	-.029	-.057	-.027	-.023	-.024	-.057	-.056	-.056	-.026	-.026	-.026
2.80	.902	-.148	-.150	-.149	-.124	-.126	-.124	-.126	-.130	-.130	-.086	-.025	-.025
1.66	.942	-.216	-.223	-.229	-.222	-.244	-.255	-.281	-.276	-.283	-.201	-.226	-.200
1.08	.962	-.215	-.232	-.228	-.122	-.160	-.126	-.125	-.131	-.129	-.142	-.142	-.142
.51	.982	-.042	-.024	.020	-.018	-.008	-.004	-.029	-.022	-.024	-.129	-.121	-.122
.23	.992	-.022	-.028	.027	-.006	-.006	-.012	-.022	-.022	-.101	-.127	-.126	-.120
.11	.996	-.027	-.024	.022	-.005	-.008	-.012	-.020	-.111	-.100	-.126	-.126	-.129

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(g) Afterbody VI - Continued

$t_1 = 300^\circ F$

$\frac{x}{d_j}$	$\frac{x}{t_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,j}/P_\infty = 2.00$			$P_{c,j}/P_\infty = 2.00$			$P_{c,j}/P_\infty = 2.01$			$P_{c,j}/P_\infty = 2.00$		
7.95	.722	-0.051	-0.016	0.005	-0.026	-0.010	0.012	-0.152	-0.130	-0.102	-0.082	-0.054	-0.028
7.36	.742	-0.065	-0.016	-0.000	-0.020	-0.010	0.007	-0.119	-0.110	-0.096	-0.061	-0.044	-0.032
6.22	.782	-0.025	-0.024	-0.014	-0.021	-0.017	-0.006	-0.089	-0.086	-0.076	-0.055	-0.031	-0.026
5.08	.822	-0.034	-0.036	-0.026	-0.030	-0.029	-0.023	-0.075	-0.075	-0.067	-0.056	-0.039	-0.045
3.94	.862	-0.060	-0.058	-0.057	-0.057	-0.054	-0.054	-0.067	-0.067	-0.057	-0.056	-0.054	-0.057
2.80	.902	-0.125	-0.119	-0.118	-0.125	-0.127	-0.155	-0.127	-0.131	-0.131	-0.088	-0.098	-0.090
1.69	.942	-0.209	-0.215	-0.222	-0.241	-0.241	-0.250	-0.281	-0.275	-0.282	-0.205	-0.208	-0.201
1.06	.962	-0.181	-0.219	-0.207	-0.098	-0.149	-0.193	-0.100	-0.167	-0.191	-0.132	-0.150	-0.158
.51	.982	0.097	0.034	0.029	0.026	0.024	0.001	-0.093	-0.081	-0.082	-0.129	-0.153	-0.156
.23	.992	0.049	0.034	0.031	0.017	0.011	-0.001	-0.069	-0.064	-0.066	-0.086	-0.115	-0.151
.11	.996	0.046	0.033	0.022	0.015	0.000	-0.003	-0.061	-0.064	-0.067	-0.141	-0.156	-0.157
		$P_{c,j}/P_\infty = 2.98$			$P_{c,j}/P_\infty = 3.01$			$P_{c,j}/P_\infty = 2.99$			$P_{c,j}/P_\infty = 3.02$		
7.95	.722	-0.029	-0.015	0.006	-0.025	-0.009	0.015	-0.151	-0.129	-0.099	-0.081	-0.075	-0.023
7.36	.742	-0.025	-0.014	-0.001	-0.016	-0.006	0.006	-0.116	-0.107	-0.097	-0.062	-0.047	-0.032
6.22	.782	-0.026	-0.024	-0.013	-0.019	-0.014	-0.007	-0.088	-0.084	-0.074	-0.066	-0.031	-0.028
5.08	.822	-0.035	-0.033	-0.027	-0.028	-0.027	-0.018	-0.071	-0.071	-0.064	-0.057	-0.036	-0.046
3.94	.862	-0.060	-0.059	-0.059	-0.053	-0.051	-0.051	-0.063	-0.064	-0.063	-0.056	-0.054	-0.059
2.80	.902	-0.147	-0.149	-0.148	-0.151	-0.154	-0.155	-0.126	-0.126	-0.130	-0.090	-0.094	-0.094
1.69	.942	-0.212	-0.219	-0.227	-0.241	-0.241	-0.249	-0.280	-0.275	-0.279	-0.205	-0.208	-0.201
1.06	.962	-0.191	-0.227	-0.207	-0.101	-0.152	-0.197	-0.116	-0.139	-0.166	-0.125	-0.135	-0.139
.51	.982	0.093	0.029	0.020	0.024	0.023	-0.002	-0.064	-0.063	-0.063	-0.122	-0.157	-0.169
.23	.992	0.045	0.028	0.025	0.014	0.009	-0.006	-0.077	-0.077	-0.077	-0.100	-0.124	-0.174
.11	.996	0.042	0.027	0.025	0.014	0.004	-0.006	-0.074	-0.077	-0.099	-0.164	-0.175	-0.174
		$P_{c,j}/P_\infty = 4.31$ (max.)			$P_{c,j}/P_\infty = 4.88$ (max.)			$P_{c,j}/P_\infty = 4.50$			$P_{c,j}/P_\infty = 4.90$		
7.95	.722				-0.025	-0.010	0.014	-0.147	-0.126	-0.098	-0.083	-0.076	-0.023
7.36	.742				-0.020	-0.007	0.007	-0.115	-0.103	-0.093	-0.062	-0.047	-0.034
6.22	.782				-0.020	-0.016	-0.006	-0.085	-0.080	-0.071	-0.056	-0.042	-0.039
5.08	.822				-0.029	-0.027	-0.020	-0.067	-0.067	-0.059	-0.056	-0.036	-0.043
3.94	.862				-0.054	-0.053	-0.053	-0.062	-0.061	-0.062	-0.054	-0.053	-0.053
2.80	.902				-0.155	-0.156	-0.154	-0.122	-0.122	-0.127	-0.086	-0.092	-0.093
1.69	.942				-0.244	-0.246	-0.254	-0.278	-0.275	-0.278	-0.204	-0.208	-0.201
1.06	.962				-0.115	-0.164	-0.207	-0.161	-0.239	-0.268	-0.194	-0.194	-0.201
.51	.982				0.020	-0.002	-0.008	-0.083	-0.107	-0.116	-0.168	-0.194	-0.194
.23	.992				0.011	-0.006	-0.012	-0.096	-0.116	-0.122	-0.200	-0.205	-0.200
.11	.996				0.010	-0.009	-0.010	-0.094	-0.117	-0.122	-0.200	-0.205	-0.200

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(g) Afterbody VI - Concluded

$t_j = 1,200^\circ F$

$\frac{x}{d_j}$	$\frac{x}{L_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,2}/P_\infty = 1.97$			$P_{c,2}/P_\infty = 1.96$			$P_{c,2}/P_\infty = 2.05$			$P_{c,2}/P_\infty = 1.97$		
7.95	0.722	-0.031	-0.018	0.005	-0.025	-0.009	0.015	-0.152	-0.130	-0.100	-0.080	-0.094	-0.023
7.36	.742	-.027	-.015	-.002	-.018	-.006	-.006	-.120	-.108	-.076	-.059	-.043	-.030
6.22	.782	-.028	-.004	-.013	-.013	-.013	-.006	-.089	-.086	-.074	-.054	-.049	-.027
5.05	.822	-.036	-.034	-.028	-.029	-.027	-.020	-.072	-.072	-.065	-.051	-.055	-.045
3.94	.862	-.022	-.050	-.059	-.054	-.055	-.053	-.067	-.066	-.066	-.056	-.055	-.056
2.80	.902	-.149	-.151	-.149	-.152	-.156	-.154	-.127	-.130	-.129	-.089	-.095	-.094
1.65	.942	-.312	-.314	-.324	-.341	-.358	-.347	-.281	-.276	-.284	-.204	-.200	-.201
1.08	.962	-.177	-.208	-.246	-.091	-.128	-.171	-.096	-.159	-.171	-.258	-.238	-.299
.51	.982	-.071	-.036	-.028	-.050	-.018	-.006	-.050	-.072	-.074	-.126	-.133	-.154
.23	.992	-.050	-.035	-.032	-.020	-.006	-.005	-.059	-.077	-.080	-.137	-.156	-.155
.11	.996	-.049	-.034	-.032	-.020	-.007	-.002	-.059	-.078	-.078	-.136	-.154	-.154
		$P_{c,2}/P_\infty = 3.01$			$P_{c,2}/P_\infty = 2.97$			$P_{c,2}/P_\infty = 2.99$			$P_{c,2}/P_\infty = 2.99$		
7.95	.722	-.031	-.016	-.004	-.025	-.009	-.015	-.152	-.129	-.100	-.078	-.053	-.022
7.36	.742	-.022	-.015	-.001	-.019	-.008	-.008	-.120	-.108	-.076	-.057	-.042	-.029
6.22	.782	-.028	-.023	-.016	-.019	-.015	-.007	-.089	-.085	-.074	-.051	-.047	-.025
5.05	.822	-.037	-.036	-.028	-.029	-.027	-.020	-.072	-.072	-.065	-.054	-.053	-.042
3.94	.862	-.050	-.060	-.059	-.057	-.052	-.044	-.066	-.065	-.065	-.056	-.056	-.052
2.80	.902	-.149	-.150	-.145	-.153	-.154	-.155	-.127	-.129	-.130	-.089	-.095	-.095
1.65	.942	-.318	-.320	-.327	-.343	-.340	-.349	-.283	-.278	-.281	-.203	-.203	-.201
1.08	.962	-.189	-.228	-.262	-.094	-.137	-.184	-.108	-.184	-.200	-.264	-.290	-.299
.51	.982	-.075	-.029	-.022	-.026	-.004	-.001	-.060	-.086	-.086	-.149	-.166	-.170
.23	.992	-.047	-.050	-.027	-.015	-.002	-.006	-.072	-.082	-.081	-.160	-.171	-.172
.11	.996	-.044	-.050	-.050	-.015	-.002	-.005	-.069	-.091	-.090	-.161	-.172	-.172
		$P_{c,2}/P_\infty = 4.51$ (max.)			$P_{c,2}/P_\infty = 4.95$			$P_{c,2}/P_\infty = 4.95$			$P_{c,2}/P_\infty = 4.96$		
7.95	.722	-.031	-.015	-.006	-.023	-.009	-.013	-.152	-.130	-.103	-.081	-.054	-.024
7.36	.742	-.027	-.015	-.001	-.018	-.007	-.006	-.120	-.107	-.077	-.059	-.044	-.031
6.22	.782	-.028	-.022	-.014	-.019	-.017	-.007	-.089	-.086	-.076	-.054	-.051	-.038
5.05	.822	-.038	-.034	-.027	-.027	-.026	-.020	-.072	-.073	-.065	-.059	-.059	-.045
3.94	.862	-.061	-.058	-.059	-.053	-.053	-.053	-.066	-.066	-.066	-.057	-.055	-.056
2.80	.902	-.148	-.151	-.150	-.152	-.155	-.155	-.127	-.130	-.130	-.089	-.095	-.095
1.65	.942	-.319	-.323	-.330	-.348	-.345	-.351	-.282	-.276	-.282	-.204	-.205	-.205
1.08	.962	-.201	-.231	-.266	-.114	-.159	-.205	-.141	-.229	-.272	-.295	-.295	-.294
.51	.982	-.048	-.029	-.020	-.020	-.001	-.006	-.060	-.088	-.088	-.142	-.154	-.158
.23	.992	-.045	-.029	-.024	-.011	-.004	-.012	-.095	-.115	-.118	-.197	-.202	-.205
.11	.996	-.039	-.027	-.028	-.011	-.006	-.010	-.089	-.116	-.118	-.196	-.204	-.205

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(h) Afterbody VII - Continued

$t_j = 800^\circ F$

$\frac{x}{d_j}$	$\frac{x}{L_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,j}/P_\infty = 1.99$			$P_{c,j}/P_\infty = 2.01$			$P_{c,j}/P_\infty = 2.00$			$P_{c,j}/P_\infty = 1.99$		
12.01	0.719	-0.042	-0.025	-0.014	-0.041	-0.021	-0.012	-0.114	-0.100	-0.091	-0.050	-0.054	-0.045
10.59	.757	-0.047	-0.027	-0.015	-0.045	-0.023	-0.013	-0.105	-0.093	-0.090	-0.050	-0.054	-0.049
8.76	.795	-0.105	-0.105	-0.105	-0.123	-0.123	-0.113	-0.145	-0.147	-0.147	-0.112	-0.113	-0.106
7.18	.832	-0.128	-0.127	-0.127	-0.153	-0.153	-0.149	-0.231	-0.230	-0.227	-0.180	-0.179	-0.177
5.56	.870	-0.116	-0.117	-0.117	-0.136	-0.136	-0.136	-0.279	-0.277	-0.277	-0.225	-0.224	-0.224
3.95	.908	-0.069	-0.070	-0.071	-0.072	-0.076	-0.077	-0.179	-0.187	-0.198	-0.245	-0.245	-0.244
2.35	.945	0.011	0.008	0.006	0.021	0.017	0.015	0.107	0.105	0.104	-0.144	-0.149	-0.154
1.54	.964	0.032	0.030	0.028	0.047	0.046	0.045	0.156	0.153	0.151	-0.036	-0.038	-0.039
.73	.983	0.104	0.099	0.099	0.123	0.122	0.119	0.193	0.191	0.191	0.107	0.107	0.107
.30	.993	0.129	0.128	0.127	0.151	0.148	0.146	0.210	0.210	0.210	0.132	0.131	0.132
.17	.996	0.139	0.137	0.137	0.160	0.159	0.159	0.214	0.214	0.213	0.139	0.140	0.140
		$P_{c,j}/P_\infty = 2.99$			$P_{c,j}/P_\infty = 3.00$			$P_{c,j}/P_\infty = 2.99$			$P_{c,j}/P_\infty = 3.01$		
12.01	.719	-0.046	-0.025	-0.015	-0.040	-0.022	-0.011	-0.114	-0.100	-0.091	-0.050	-0.055	-0.045
10.59	.757	-0.049	-0.027	-0.016	-0.043	-0.023	-0.012	-0.096	-0.083	-0.079	-0.059	-0.055	-0.046
8.76	.795	-0.105	-0.104	-0.103	-0.123	-0.123	-0.121	-0.150	-0.148	-0.148	-0.112	-0.109	-0.107
7.18	.832	-0.128	-0.127	-0.126	-0.153	-0.153	-0.152	-0.232	-0.231	-0.228	-0.179	-0.177	-0.176
5.56	.870	-0.116	-0.116	-0.116	-0.136	-0.136	-0.136	-0.280	-0.278	-0.278	-0.225	-0.224	-0.224
3.95	.908	-0.069	-0.071	-0.072	-0.074	-0.078	-0.078	-0.180	-0.182	-0.182	-0.244	-0.244	-0.243
2.35	.945	0.010	0.008	0.006	0.021	0.017	0.015	0.105	0.102	0.102	-0.143	-0.148	-0.153
1.54	.964	0.031	0.029	0.027	0.046	0.042	0.041	0.152	0.150	0.148	0.033	0.035	0.036
.73	.983	0.101	0.100	0.097	0.123	0.122	0.120	0.193	0.188	0.188	0.105	0.104	0.105
.30	.993	0.129	0.128	0.125	0.147	0.144	0.147	0.206	0.206	0.206	0.129	0.129	0.130
.17	.996	0.134	0.134	0.134	0.159	0.158	0.158	0.211	0.210	0.210	0.137	0.137	0.138
		$P_{c,j}/P_\infty = 4.99$			$P_{c,j}/P_\infty = 5.00$			$P_{c,j}/P_\infty = 4.98$			$P_{c,j}/P_\infty = 5.01$		
12.01	.719	-0.047	-0.027	-0.019	-0.040	-0.023	-0.012	-0.113	-0.099	-0.090	-0.050	-0.053	-0.044
10.59	.757	-0.050	-0.029	-0.019	-0.043	-0.023	-0.012	-0.095	-0.082	-0.079	-0.058	-0.053	-0.047
8.76	.795	-0.109	-0.105	-0.105	-0.124	-0.124	-0.119	-0.149	-0.148	-0.147	-0.112	-0.110	-0.108
7.18	.832	-0.129	-0.128	-0.127	-0.153	-0.152	-0.150	-0.231	-0.230	-0.227	-0.180	-0.179	-0.177
5.56	.870	-0.117	-0.117	-0.117	-0.136	-0.136	-0.136	-0.279	-0.278	-0.278	-0.225	-0.225	-0.225
3.95	.908	-0.070	-0.070	-0.072	-0.073	-0.078	-0.078	-0.186	-0.183	-0.186	-0.245	-0.244	-0.244
2.35	.945	0.011	0.007	0.007	0.020	0.015	0.016	0.108	0.104	0.103	-0.146	-0.150	-0.153
1.54	.964	0.033	0.031	0.028	0.047	0.043	0.043	0.154	0.152	0.150	0.033	0.037	0.037
.73	.983	0.102	0.101	0.101	0.123	0.122	0.122	0.193	0.191	0.191	0.107	0.106	0.117
.30	.993	0.132	0.131	0.132	0.153	0.152	0.152	0.206	0.206	0.206	0.130	0.130	0.130
.17	.996	0.140	0.140	0.140	0.160	0.160	0.160	0.213	0.212	0.214	0.138	0.138	0.138
		$P_{c,j}/P_\infty = 7.01$			$P_{c,j}/P_\infty = 6.99$			$P_{c,j}/P_\infty = 6.97$			$P_{c,j}/P_\infty = 7.00$		
12.01	.719	-0.043	-0.026	-0.015	-0.041	-0.023	-0.012	-0.114	-0.100	-0.090	-0.050	-0.051	-0.043
10.59	.757	-0.047	-0.029	-0.019	-0.043	-0.023	-0.012	-0.085	-0.083	-0.080	-0.050	-0.052	-0.047
8.76	.795	-0.107	-0.102	-0.102	-0.124	-0.124	-0.118	-0.150	-0.149	-0.148	-0.112	-0.110	-0.108
7.18	.832	-0.126	-0.125	-0.124	-0.152	-0.152	-0.149	-0.232	-0.231	-0.228	-0.181	-0.180	-0.178
5.56	.870	-0.113	-0.113	-0.113	-0.135	-0.135	-0.135	-0.280	-0.279	-0.279	-0.226	-0.225	-0.224
3.95	.908	-0.063	-0.066	-0.066	-0.069	-0.073	-0.074	-0.162	-0.160	-0.160	-0.246	-0.245	-0.244
2.35	.945	0.019	0.015	0.014	0.027	0.024	0.023	0.111	0.108	0.106	-0.134	-0.140	-0.148
1.54	.964	0.042	0.042	0.041	0.061	0.057	0.057	0.158	0.157	0.156	0.046	0.049	0.050
.73	.983	0.123	0.120	0.120	0.139	0.136	0.135	0.196	0.195	0.194	0.116	0.113	0.116
.30	.993	0.154	0.152	0.153	0.170	0.168	0.169	0.214	0.212	0.214	0.139	0.136	0.139
.17	.996	0.164	0.164	0.164	0.179	0.179	0.179	0.217	0.217	0.219	0.146	0.146	0.147
		$P_{c,j}/P_\infty = 8.98$			$P_{c,j}/P_\infty = 8.98$			$P_{c,j}/P_\infty = 8.99$			$P_{c,j}/P_\infty = 8.96$		
12.01	.719	-0.047	-0.027	-0.019	-0.040	-0.022	-0.012	-0.114	-0.099	-0.089	-0.051	-0.051	-0.042
10.59	.757	-0.051	-0.029	-0.019	-0.043	-0.023	-0.012	-0.087	-0.082	-0.078	-0.059	-0.052	-0.046
8.76	.795	-0.107	-0.102	-0.102	-0.124	-0.124	-0.118	-0.150	-0.149	-0.149	-0.113	-0.111	-0.108
7.18	.832	-0.126	-0.126	-0.126	-0.152	-0.152	-0.149	-0.232	-0.231	-0.229	-0.181	-0.180	-0.178
5.56	.870	-0.113	-0.112	-0.113	-0.133	-0.133	-0.133	-0.280	-0.278	-0.278	-0.226	-0.225	-0.225
3.95	.908	-0.064	-0.065	-0.066	-0.067	-0.072	-0.072	-0.144	-0.141	-0.141	-0.246	-0.246	-0.244
2.35	.945	0.023	0.021	0.019	0.033	0.031	0.031	0.117	0.113	0.113	-0.109	-0.117	-0.122
1.54	.964	0.072	0.072	0.072	0.088	0.086	0.082	0.164	0.163	0.160	0.054	0.057	0.052
.73	.983	0.130	0.129	0.129	0.150	0.148	0.148	0.203	0.203	0.203	0.128	0.127	0.129
.30	.993	0.173	0.173	0.173	0.190	0.188	0.188	0.221	0.219	0.221	0.149	0.149	0.150
.17	.996	0.185	0.186	0.185	0.198	0.199	0.199	0.225	0.225	0.225	0.155	0.155	0.157
		$P_{c,j}/P_\infty = 11.04$			$P_{c,j}/P_\infty = 10.97$			$P_{c,j}/P_\infty = 11.04$			$P_{c,j}/P_\infty = 10.97$		
12.01	.719							-0.115	-0.101	-0.091	-0.050	-0.051	-0.043
10.59	.757							-0.090	-0.084	-0.080	-0.059	-0.052	-0.046
8.76	.795							-0.251	-0.250	-0.250	-0.113	-0.111	-0.108
7.18	.832							-0.253	-0.252	-0.250	-0.188	-0.180	-0.178
5.56	.870							-0.281	-0.279	-0.279	-0.226	-0.226	-0.226
3.95	.908							-0.118	-0.125	-0.130	-0.247	-0.246	-0.245
2.35	.945							0.124	0.122	0.120	-0.067	-0.079	-0.089
1.54	.964							0.171	0.170	0.166	0.055	0.052	0.077
.73	.983							0.212	0.211	0.213	0.141	0.140	0.142
.30	.993							0.228	0.228	0.230	0.158	0.158	0.161
.17	.996							0.233	0.233	0.236	0.164	0.165	0.168

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(h) Afterbody VII - Concluded

 $t_1 = 1,200^\circ F$

$\frac{x}{d}$	$\frac{x}{r_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,1}/P_\infty = 2.00$			$P_{t,1}/P_\infty = 2.00$			$P_{t,1}/P_\infty = 2.00$			$P_{t,1}/P_\infty = 1.98$		
12.01	0.719	-0.034	-0.027	-0.017	-0.030	-0.023	-0.013	-0.102	-0.100	-0.091	-0.092	-0.091	-0.082
10.39	0.757	-0.030	-0.046	-0.039	-0.042	-0.047	-0.041	-0.086	-0.084	-0.079	-0.075	-0.072	-0.066
8.76	0.792	-0.027	-0.107	-0.103	-0.125	-0.122	-0.120	-0.149	-0.151	-0.150	-0.152	-0.150	-0.106
7.18	0.832	-0.126	-0.126	-0.123	-0.152	-0.153	-0.150	-0.234	-0.234	-0.231	-0.179	-0.178	-0.176
5.56	0.870	-0.110	-0.116	-0.115	-0.156	-0.156	-0.156	-0.282	-0.281	-0.282	-0.222	-0.224	-0.226
3.93	0.908	-0.066	-0.048	-0.069	-0.073	-0.079	-0.077	-0.184	-0.182	-0.180	-0.246	-0.244	-0.243
2.32	0.945	-0.015	-0.012	-0.003	-0.023	-0.023	-0.017	-0.109	-0.107	-0.105	-0.138	-0.140	-0.143
1.54	0.964	0.000	0.000	0.002	0.009	0.008	0.000	-0.158	-0.157	-0.153	-0.042	-0.043	-0.025
0.73	0.983	0.110	0.108	0.107	0.120	0.124	0.122	0.194	0.192	0.191	0.112	0.110	0.111
0.30	0.993	0.138	0.134	0.134	0.150	0.151	0.152	0.209	0.208	0.209	0.136	0.136	0.136
0.17	0.996	0.140	0.144	0.144	0.163	0.162	0.163	0.214	0.214	0.214	0.145	0.145	0.144
		$P_{t,1}/P_\infty = 3.01$			$P_{t,1}/P_\infty = 2.97$			$P_{t,1}/P_\infty = 2.99$			$P_{t,1}/P_\infty = 3.01$		
12.01	0.719	-0.034	-0.029	-0.018	-0.030	-0.023	-0.013	-0.104	-0.100	-0.091	-0.092	-0.092	-0.082
10.39	0.757	-0.031	-0.047	-0.041	-0.040	-0.046	-0.040	-0.088	-0.084	-0.080	-0.079	-0.078	-0.077
8.76	0.792	-0.103	-0.107	-0.104	-0.123	-0.120	-0.118	-0.149	-0.149	-0.151	-0.153	-0.153	-0.109
7.18	0.832	-0.127	-0.127	-0.122	-0.151	-0.151	-0.148	-0.233	-0.233	-0.231	-0.179	-0.178	-0.176
5.56	0.870	-0.117	-0.117	-0.116	-0.154	-0.154	-0.153	-0.282	-0.281	-0.282	-0.222	-0.224	-0.226
3.93	0.908	-0.069	-0.069	-0.071	-0.072	-0.073	-0.073	-0.174	-0.172	-0.176	-0.246	-0.245	-0.245
2.32	0.945	-0.013	-0.010	-0.000	-0.023	-0.021	-0.017	-0.109	-0.107	-0.104	-0.137	-0.139	-0.144
1.54	0.964	0.004	0.003	0.003	0.009	0.007	0.004	-0.158	-0.157	-0.153	0.049	0.048	0.048
0.73	0.983	0.109	0.103	0.099	0.124	0.122	0.120	0.191	0.190	0.190	0.106	0.104	0.105
0.30	0.993	0.132	0.127	0.127	0.152	0.148	0.149	0.207	0.206	0.206	0.130	0.130	0.130
0.17	0.996	0.138	0.137	0.137	0.159	0.157	0.158	0.212	0.212	0.212	0.137	0.138	0.138
		$P_{t,1}/P_\infty = 5.01$			$P_{t,1}/P_\infty = 5.02$			$P_{t,1}/P_\infty = 5.01$			$P_{t,1}/P_\infty = 5.02$		
12.01	0.719	-0.034	-0.028	-0.018	-0.029	-0.022	-0.013	-0.104	-0.100	-0.089	-0.092	-0.092	-0.082
10.39	0.757	-0.049	-0.046	-0.040	-0.048	-0.045	-0.039	-0.086	-0.083	-0.077	-0.061	-0.070	-0.049
8.76	0.792	-0.107	-0.103	-0.103	-0.122	-0.120	-0.117	-0.131	-0.130	-0.130	-0.113	-0.111	-0.109
7.18	0.832	-0.126	-0.126	-0.124	-0.150	-0.150	-0.147	-0.232	-0.232	-0.229	-0.178	-0.178	-0.177
5.56	0.870	-0.118	-0.117	-0.117	-0.154	-0.154	-0.154	-0.281	-0.280	-0.280	-0.227	-0.227	-0.227
3.93	0.908	-0.066	-0.068	-0.069	-0.070	-0.072	-0.074	-0.177	-0.176	-0.179	-0.244	-0.244	-0.243
2.32	0.945	-0.010	-0.013	-0.010	-0.026	-0.023	-0.020	-0.107	-0.104	-0.102	-0.106	-0.120	-0.132
1.54	0.964	0.004	0.003	0.002	0.007	0.007	0.008	-0.154	-0.152	-0.150	0.030	0.029	0.028
0.73	0.983	0.111	0.108	0.107	0.130	0.128	0.126	0.191	0.190	0.190	0.099	0.099	0.098
0.30	0.993	0.139	0.135	0.135	0.159	0.157	0.157	0.206	0.205	0.205	0.127	0.126	0.127
0.17	0.996	0.146	0.144	0.145	0.167	0.164	0.164	0.212	0.212	0.212	0.139	0.139	0.136
		$P_{t,1}/P_\infty = 7.00$			$P_{t,1}/P_\infty = 6.98$			$P_{t,1}/P_\infty = 6.98$			$P_{t,1}/P_\infty = 6.98$		
12.01	0.719	-0.033	-0.026	-0.017	-0.030	-0.023	-0.010	-0.102	-0.104	-0.095	-0.092	-0.092	-0.082
10.39	0.757	-0.048	-0.044	-0.040	-0.050	-0.046	-0.037	-0.087	-0.084	-0.081	-0.065	-0.062	-0.047
8.76	0.792	-0.105	-0.103	-0.101	-0.122	-0.120	-0.115	-0.149	-0.141	-0.141	-0.114	-0.112	-0.110
7.18	0.832	-0.125	-0.122	-0.122	-0.150	-0.150	-0.147	-0.233	-0.233	-0.232	-0.180	-0.180	-0.178
5.56	0.870	-0.112	-0.113	-0.112	-0.153	-0.152	-0.152	-0.282	-0.280	-0.280	-0.228	-0.226	-0.226
3.93	0.908	-0.063	-0.063	-0.064	-0.067	-0.069	-0.071	-0.176	-0.176	-0.179	-0.247	-0.246	-0.245
2.32	0.945	-0.022	-0.019	-0.016	-0.021	-0.023	-0.024	-0.115	-0.110	-0.108	-0.123	-0.128	-0.132
1.54	0.964	0.007	0.003	0.001	0.001	0.009	0.007	-0.160	-0.159	-0.157	0.040	0.044	0.036
0.73	0.983	0.120	0.122	0.122	0.142	0.140	0.136	0.197	0.197	0.197	0.117	0.117	0.117
0.30	0.993	0.151	0.149	0.150	0.173	0.170	0.171	0.211	0.211	0.215	0.140	0.139	0.140
0.17	0.996	0.167	0.165	0.167	0.185	0.181	0.182	0.217	0.217	0.228	0.147	0.148	0.148
		$P_{t,1}/P_\infty = 8.90$			$P_{t,1}/P_\infty = 9.01$			$P_{t,1}/P_\infty = 9.25$			$P_{t,1}/P_\infty = 8.99$		
12.01	0.719	-0.032	-0.028	-0.016	-0.029	-0.023	-0.012	-0.104	-0.105	-0.095	-0.094	-0.094	-0.085
10.39	0.757	-0.047	-0.043	-0.038	-0.048	-0.044	-0.039	-0.086	-0.088	-0.083	-0.068	-0.063	-0.048
8.76	0.792	-0.104	-0.103	-0.100	-0.123	-0.123	-0.117	-0.149	-0.151	-0.151	-0.115	-0.110	-0.109
7.18	0.832	-0.124	-0.124	-0.120	-0.149	-0.149	-0.147	-0.233	-0.233	-0.231	-0.179	-0.178	-0.176
5.56	0.870	-0.111	-0.110	-0.110	-0.151	-0.151	-0.152	-0.282	-0.281	-0.281	-0.226	-0.226	-0.226
3.93	0.908	-0.060	-0.062	-0.062	-0.064	-0.064	-0.063	-0.188	-0.187	-0.189	-0.246	-0.244	-0.242
2.32	0.945	-0.009	-0.005	-0.005	-0.008	-0.008	-0.002	-0.121	-0.119	-0.117	-0.084	-0.091	-0.104
1.54	0.964	0.007	0.006	0.003	0.002	0.001	0.001	-0.168	-0.167	-0.167	0.072	0.068	0.062
0.73	0.983	0.141	0.140	0.139	0.159	0.157	0.156	0.204	0.204	0.205	0.133	0.133	0.134
0.30	0.993	0.176	0.171	0.176	0.192	0.190	0.192	0.219	0.219	0.228	0.154	0.154	0.150
0.17	0.996	0.187	0.187	0.190	0.202	0.201	0.204	0.224	0.224	0.229	0.160	0.161	0.162
		$P_{t,1}/P_\infty = 10.90$			$P_{t,1}/P_\infty = 11.04$			$P_{t,1}/P_\infty = 10.90$			$P_{t,1}/P_\infty = 11.04$		
12.01	0.719							-0.106	-0.101	-0.092	-0.092	-0.082	-0.082
10.39	0.757							-0.088	-0.084	-0.082	-0.061	-0.062	-0.066
8.76	0.792							-0.110	-0.111	-0.111	-0.113	-0.110	-0.109
7.18	0.832							-0.234	-0.234	-0.231	-0.179	-0.178	-0.176
5.56	0.870							-0.282	-0.281	-0.281	-0.226	-0.223	-0.224
3.93	0.908							-0.140	-0.148	-0.159	-0.246	-0.245	-0.243
2.32	0.945							-0.127	-0.128	-0.125	-0.049	-0.049	-0.072
1.54	0.964							-0.174	-0.174	-0.173	0.091	0.093	0.084
0.73	0.983							-0.212	-0.213	-0.214	0.144	0.144	0.146
0.30	0.993							-0.220	-0.227	-0.231	0.142	0.143	0.140
0.17	0.996							-0.230	-0.233	-0.237	0.164	0.169	0.172

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(1) Afterbody VIII

$t_2 = \text{Cold}$

$\frac{x}{d_2}$	$\frac{x}{l_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,2}/P_\infty = 1.06$			$P_{t,2}/P_\infty = 1.08$			$P_{t,2}/P_\infty = 1.14$			$P_{t,2}/P_\infty = 1.10$		
12.01	0.719	-0.023	-0.024	-0.012	-0.020	-0.020	-0.008	-0.103	-0.111	-0.097	-0.046	-0.058	-0.045
10.39	.757	-0.036	-0.032	-0.026	-0.034	-0.030	-0.024	-0.087	-0.084	-0.076	-0.038	-0.052	-0.043
8.76	.795	-0.063	-0.059	-0.054	-0.068	-0.059	-0.056	-0.083	-0.079	-0.072	-0.053	-0.053	-0.051
7.18	.832	-0.136	-0.133	-0.133	-0.170	-0.166	-0.166	-0.176	-0.174	-0.173	-0.126	-0.126	-0.125
5.56	.870	-0.145	-0.145	-0.140	-0.181	-0.181	-0.176	-0.252	-0.252	-0.246	-0.194	-0.195	-0.190
3.93	.908	-0.114	-0.111	-0.114	-0.134	-0.134	-0.138	-0.306	-0.306	-0.306	-0.233	-0.250	-0.251
2.29	.945	-0.033	-0.036	-0.038	-0.035	-0.036	-0.040	-0.010	-0.010	-0.010	-0.277	-0.269	-0.259
1.54	.964	-0.018	-0.015	-0.010	-0.024	-0.022	-0.018	-0.103	-0.099	-0.099	-0.056	-0.112	-0.127
.73	.983	-0.071	-0.069	-0.064	-0.082	-0.080	-0.075	-0.155	-0.155	-0.155	-0.084	-0.087	-0.083
.50	.993	-0.100	-0.100	-0.098	-0.114	-0.112	-0.110	-0.177	-0.177	-0.175	-0.087	-0.089	-0.089
.17	.996	-0.113	-0.113	-0.113	-0.125	-0.125	-0.125	-0.183	-0.183	-0.183	-0.096	-0.096	-0.096
		$P_{t,2}/P_\infty = 1.98$			$P_{t,2}/P_\infty = 1.97$			$P_{t,2}/P_\infty = 1.91$			$P_{t,2}/P_\infty = 2.00$		
12.01	.719	-0.024	-0.024	-0.013	-0.018	-0.019	-0.007	-0.103	-0.111	-0.096	-0.050	-0.060	-0.046
10.39	.757	-0.037	-0.033	-0.026	-0.034	-0.029	-0.022	-0.087	-0.084	-0.076	-0.039	-0.054	-0.045
8.76	.795	-0.064	-0.059	-0.054	-0.068	-0.059	-0.056	-0.075	-0.071	-0.066	-0.053	-0.053	-0.053
7.18	.832	-0.138	-0.135	-0.135	-0.167	-0.164	-0.162	-0.177	-0.175	-0.173	-0.129	-0.129	-0.124
5.56	.870	-0.144	-0.144	-0.141	-0.177	-0.177	-0.173	-0.252	-0.251	-0.245	-0.195	-0.197	-0.190
3.93	.908	-0.112	-0.112	-0.116	-0.129	-0.128	-0.133	-0.309	-0.309	-0.307	-0.253	-0.251	-0.251
2.29	.945	-0.035	-0.034	-0.037	-0.030	-0.034	-0.033	-0.011	-0.011	-0.011	-0.274	-0.266	-0.266
1.54	.964	-0.017	-0.015	-0.011	-0.028	-0.026	-0.021	-0.103	-0.103	-0.103	-0.082	-0.110	-0.128
.73	.983	-0.067	-0.065	-0.062	-0.084	-0.082	-0.081	-0.158	-0.157	-0.157	-0.082	-0.089	-0.086
.50	.993	-0.091	-0.089	-0.089	-0.113	-0.113	-0.110	-0.177	-0.177	-0.177	-0.073	-0.077	-0.076
.17	.996	-0.101	-0.100	-0.100	-0.124	-0.124	-0.123	-0.183	-0.184	-0.184	-0.089	-0.089	-0.090
		$P_{t,2}/P_\infty = 5.00$			$P_{t,2}/P_\infty = 2.97$			$P_{t,2}/P_\infty = 2.90$			$P_{t,2}/P_\infty = 3.01$		
12.01	.719	-0.025	-0.025	-0.014	-0.018	-0.019	-0.006	-0.103	-0.110	-0.096	-0.048	-0.058	-0.046
10.39	.757	-0.037	-0.033	-0.027	-0.032	-0.029	-0.021	-0.086	-0.083	-0.076	-0.039	-0.053	-0.044
8.76	.795	-0.064	-0.059	-0.054	-0.068	-0.059	-0.054	-0.075	-0.071	-0.066	-0.054	-0.056	-0.053
7.18	.832	-0.139	-0.136	-0.134	-0.167	-0.163	-0.161	-0.177	-0.175	-0.172	-0.130	-0.129	-0.124
5.56	.870	-0.145	-0.145	-0.142	-0.178	-0.176	-0.172	-0.252	-0.252	-0.245	-0.195	-0.196	-0.190
3.93	.908	-0.115	-0.113	-0.117	-0.129	-0.128	-0.133	-0.309	-0.306	-0.306	-0.254	-0.251	-0.251
2.29	.945	-0.039	-0.039	-0.039	-0.031	-0.033	-0.033	-0.002	-0.007	-0.006	-0.277	-0.272	-0.260
1.54	.964	-0.014	-0.012	-0.006	-0.025	-0.025	-0.020	-0.102	-0.100	-0.098	-0.112	-0.123	-0.139
.73	.983	-0.062	-0.060	-0.056	-0.081	-0.079	-0.076	-0.152	-0.153	-0.154	-0.084	-0.088	-0.085
.50	.993	-0.083	-0.084	-0.082	-0.106	-0.107	-0.109	-0.179	-0.178	-0.173	-0.073	-0.076	-0.073
.17	.996	-0.091	-0.091	-0.091	-0.116	-0.116	-0.116	-0.181	-0.181	-0.181	-0.086	-0.087	-0.086
		$P_{t,2}/P_\infty = 4.99$			$P_{t,2}/P_\infty = 4.96$			$P_{t,2}/P_\infty = 4.98$			$P_{t,2}/P_\infty = 4.98$		
12.01	.719	-0.022	-0.023	-0.012	-0.018	-0.018	-0.006	-0.103	-0.111	-0.096	-0.050	-0.060	-0.047
10.39	.757	-0.035	-0.031	-0.024	-0.032	-0.029	-0.021	-0.087	-0.083	-0.076	-0.050	-0.054	-0.046
8.76	.795	-0.062	-0.054	-0.049	-0.065	-0.057	-0.054	-0.075	-0.071	-0.066	-0.053	-0.053	-0.053
7.18	.832	-0.136	-0.133	-0.132	-0.166	-0.163	-0.161	-0.177	-0.175	-0.172	-0.129	-0.129	-0.124
5.56	.870	-0.142	-0.142	-0.139	-0.173	-0.176	-0.172	-0.252	-0.251	-0.245	-0.196	-0.196	-0.191
3.93	.908	-0.111	-0.110	-0.114	-0.126	-0.126	-0.132	-0.308	-0.306	-0.306	-0.253	-0.251	-0.252
2.29	.945	-0.032	-0.032	-0.036	-0.029	-0.034	-0.034	-0.003	-0.003	-0.007	-0.275	-0.264	-0.250
1.54	.964	-0.017	-0.016	-0.011	-0.027	-0.026	-0.021	-0.101	-0.098	-0.098	-0.089	-0.117	-0.135
.73	.983	-0.065	-0.063	-0.061	-0.082	-0.079	-0.076	-0.153	-0.152	-0.153	-0.085	-0.086	-0.084
.50	.993	-0.086	-0.086	-0.085	-0.107	-0.106	-0.104	-0.172	-0.172	-0.171	-0.085	-0.086	-0.085
.17	.996	-0.092	-0.092	-0.091	-0.115	-0.115	-0.114	-0.178	-0.178	-0.178	-0.077	-0.077	-0.076
								$P_{t,2}/P_\infty = 6.94$			$P_{t,2}/P_\infty = 7.01$		
12.01	.719						-0.103	-0.112	-0.097	-0.049	-0.059	-0.046	
10.39	.757						-0.088	-0.084	-0.076	-0.039	-0.053	-0.044	
8.76	.795						-0.084	-0.076	-0.073	-0.054	-0.056	-0.053	
7.18	.832						-0.178	-0.176	-0.174	-0.131	-0.128	-0.124	
5.56	.870						-0.253	-0.253	-0.247	-0.195	-0.196	-0.191	
3.93	.908						-0.310	-0.308	-0.309	-0.254	-0.250	-0.252	
2.29	.945						-0.004	-0.001	-0.000	-0.277	-0.270	-0.258	
1.54	.964						-0.103	-0.101	-0.100	-0.105	-0.116	-0.134	
.73	.983						-0.156	-0.154	-0.153	-0.047	-0.041	-0.036	
.50	.993						-0.174	-0.174	-0.173	-0.078	-0.078	-0.078	
.17	.996						-0.180	-0.180	-0.180	-0.090	-0.090	-0.090	

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(1) Afterbody VIII - Continued

$$t_j = 800^\circ F$$

$\frac{x}{d_j}$	$\frac{x}{r_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,j}/P_\infty = 1.96$			$P_{c,j}/P_\infty = 2.01$			$P_{c,j}/P_\infty = 2.03$			$P_{c,j}/P_\infty = 1.99$		
12.01	0.719	-0.023	-0.025	-0.014	-0.018	-0.019	-0.006	-0.109	-0.111	-0.098	-0.046	-0.054	-0.042
10.39	.757	-0.029	-0.033	-0.021	-0.027	-0.028	-0.022	-0.086	-0.084	-0.077	-0.037	-0.052	-0.042
8.76	.795	-0.059	-0.056	-0.023	-0.055	-0.055	-0.025	-0.084	-0.076	-0.073	-0.054	-0.055	-0.052
7.18	.832	-0.141	-0.137	-0.135	-0.164	-0.163	-0.173	-0.179	-0.179	-0.179	-0.130	-0.127	-0.124
5.56	.870	-0.142	-0.147	-0.142	-0.172	-0.176	-0.174	-0.254	-0.253	-0.247	-0.154	-0.156	-0.159
3.93	.908	-0.116	-0.115	-0.117	-0.128	-0.129	-0.133	-0.111	-0.108	-0.110	-0.211	-0.211	-0.210
2.35	.945	-0.034	-0.037	-0.035	-0.032	-0.036	-0.036	-0.013	-0.010	-0.011	-0.269	-0.266	-0.257
1.54	.964	-0.014	-0.014	-0.011	-0.010	-0.011	-0.011	-0.022	-0.021	-0.021	-0.081	-0.081	-0.112
.75	.983	-0.069	-0.069	-0.063	-0.087	-0.082	-0.082	-0.160	-0.159	-0.156	-0.098	-0.093	-0.090
.50	.993	-0.094	-0.095	-0.092	-0.113	-0.113	-0.111	-0.179	-0.179	-0.179	-0.091	-0.090	-0.091
.17	.996	-0.104	-0.105	-0.103	-0.124	-0.124	-0.126	-0.185	-0.185	-0.186	-0.101	-0.102	-0.102
		$P_{c,j}/P_\infty = 3.03$			$P_{c,j}/P_\infty = 3.01$			$P_{c,j}/P_\infty = 2.99$			$P_{c,j}/P_\infty = 3.01$		
12.01	.719	-0.023	-0.025	-0.014	-0.017	-0.020	-0.008	-0.104	-0.110	-0.096	-0.046	-0.055	-0.043
10.39	.757	-0.038	-0.035	-0.026	-0.033	-0.029	-0.022	-0.066	-0.083	-0.076	-0.028	-0.052	-0.043
8.76	.795	-0.065	-0.057	-0.024	-0.060	-0.059	-0.055	-0.084	-0.076	-0.072	-0.053	-0.056	-0.052
7.18	.832	-0.137	-0.138	-0.135	-0.166	-0.164	-0.163	-0.176	-0.176	-0.173	-0.130	-0.126	-0.124
5.56	.870	-0.144	-0.146	-0.142	-0.173	-0.178	-0.174	-0.253	-0.254	-0.247	-0.154	-0.156	-0.159
3.93	.908	-0.115	-0.115	-0.118	-0.128	-0.129	-0.133	-0.111	-0.108	-0.110	-0.211	-0.211	-0.210
2.35	.945	-0.035	-0.040	-0.040	-0.031	-0.037	-0.037	-0.013	-0.008	-0.009	-0.274	-0.267	-0.257
1.54	.964	-0.013	-0.015	-0.008	-0.021	-0.022	-0.019	-0.028	-0.024	-0.024	-0.070	-0.074	-0.119
.75	.983	-0.064	-0.062	-0.060	-0.086	-0.079	-0.078	-0.158	-0.157	-0.157	-0.021	-0.046	-0.043
.50	.993	-0.089	-0.089	-0.086	-0.109	-0.108	-0.107	-0.177	-0.177	-0.177	-0.093	-0.093	-0.093
.17	.996	-0.096	-0.096	-0.097	-0.117	-0.118	-0.119	-0.183	-0.184	-0.183	-0.093	-0.093	-0.093
		$P_{c,j}/P_\infty = 5.01$			$P_{c,j}/P_\infty = 4.98$			$P_{c,j}/P_\infty = 5.00$			$P_{c,j}/P_\infty = 4.98$		
12.01	.719	-0.027	-0.026	-0.015	-0.020	-0.020	-0.009	-0.104	-0.110	-0.096	-0.044	-0.053	-0.042
10.39	.757	-0.038	-0.034	-0.026	-0.036	-0.030	-0.024	-0.087	-0.083	-0.076	-0.027	-0.050	-0.042
8.76	.795	-0.067	-0.057	-0.025	-0.066	-0.059	-0.056	-0.083	-0.076	-0.072	-0.053	-0.054	-0.051
7.18	.832	-0.140	-0.139	-0.135	-0.170	-0.166	-0.163	-0.176	-0.176	-0.174	-0.132	-0.127	-0.126
5.56	.870	-0.146	-0.146	-0.142	-0.179	-0.180	-0.175	-0.252	-0.252	-0.246	-0.150	-0.156	-0.151
3.93	.908	-0.117	-0.115	-0.118	-0.131	-0.132	-0.135	-0.110	-0.106	-0.108	-0.214	-0.212	-0.212
2.35	.945	-0.036	-0.039	-0.031	-0.032	-0.039	-0.039	-0.014	-0.010	-0.010	-0.277	-0.271	-0.260
1.54	.964	-0.011	-0.011	-0.007	-0.024	-0.021	-0.018	-0.025	-0.024	-0.024	-0.118	-0.125	-0.158
.75	.983	-0.062	-0.060	-0.056	-0.081	-0.076	-0.073	-0.156	-0.156	-0.156	-0.044	-0.071	-0.071
.50	.993	-0.084	-0.083	-0.080	-0.106	-0.106	-0.102	-0.175	-0.173	-0.173	-0.078	-0.077	-0.077
.17	.996	-0.094	-0.089	-0.090	-0.116	-0.113	-0.112	-0.183	-0.183	-0.183	-0.088	-0.089	-0.089
		$P_{c,j}/P_\infty = 7.05$			$P_{c,j}/P_\infty = 7.04$			$P_{c,j}/P_\infty = 6.92$			$P_{c,j}/P_\infty = 7.01$		
12.01	.719	-0.024	-0.024	-0.015	-0.019	-0.020	-0.007	-0.104	-0.110	-0.096	-0.043	-0.053	-0.041
10.39	.757	-0.040	-0.033	-0.027	-0.035	-0.028	-0.023	-0.087	-0.083	-0.076	-0.026	-0.049	-0.041
8.76	.795	-0.064	-0.058	-0.023	-0.064	-0.057	-0.053	-0.084	-0.073	-0.072	-0.062	-0.053	-0.050
7.18	.832	-0.159	-0.158	-0.136	-0.182	-0.184	-0.182	-0.178	-0.179	-0.174	-0.131	-0.127	-0.125
5.56	.870	-0.144	-0.145	-0.141	-0.176	-0.177	-0.174	-0.253	-0.252	-0.247	-0.154	-0.156	-0.151
3.93	.908	-0.115	-0.115	-0.115	-0.129	-0.128	-0.133	-0.110	-0.106	-0.108	-0.214	-0.211	-0.212
2.35	.945	-0.035	-0.037	-0.037	-0.027	-0.034	-0.034	-0.008	-0.004	-0.005	-0.277	-0.275	-0.268
1.54	.964	-0.017	-0.016	-0.012	-0.032	-0.028	-0.024	-0.023	-0.021	-0.021	-0.118	-0.125	-0.157
.75	.983	-0.069	-0.066	-0.067	-0.088	-0.085	-0.080	-0.155	-0.154	-0.154	-0.046	-0.038	-0.036
.50	.993	-0.092	-0.093	-0.090	-0.117	-0.115	-0.113	-0.173	-0.174	-0.174	-0.079	-0.078	-0.078
.17	.996	-0.101	-0.100	-0.100	-0.126	-0.126	-0.124	-0.179	-0.180	-0.180	-0.089	-0.089	-0.090
		$P_{c,j}/P_\infty = 9.02$			$P_{c,j}/P_\infty = 9.03$			$P_{c,j}/P_\infty = 8.96$			$P_{c,j}/P_\infty = 8.98$		
12.01	.719	-0.020	-0.020	-0.015	-0.018	-0.019	-0.006	-0.104	-0.110	-0.097	-0.044	-0.054	-0.043
10.39	.757	-0.039	-0.034	-0.029	-0.038	-0.028	-0.023	-0.087	-0.084	-0.076	-0.027	-0.051	-0.041
8.76	.795	-0.065	-0.058	-0.024	-0.064	-0.057	-0.054	-0.084	-0.073	-0.072	-0.063	-0.054	-0.052
7.18	.832	-0.141	-0.137	-0.137	-0.169	-0.164	-0.161	-0.178	-0.177	-0.174	-0.132	-0.128	-0.127
5.56	.870	-0.145	-0.146	-0.143	-0.173	-0.176	-0.170	-0.253	-0.253	-0.247	-0.154	-0.156	-0.151
3.93	.908	-0.115	-0.113	-0.118	-0.129	-0.128	-0.131	-0.110	-0.109	-0.109	-0.214	-0.212	-0.212
2.35	.945	-0.039	-0.034	-0.033	-0.024	-0.031	-0.031	-0.008	-0.004	-0.004	-0.277	-0.275	-0.268
1.54	.964	-0.024	-0.023	-0.015	-0.038	-0.036	-0.035	-0.008	-0.006	-0.005	-0.109	-0.108	-0.108
.75	.983	-0.078	-0.078	-0.075	-0.101	-0.099	-0.097	-0.158	-0.157	-0.158	-0.056	-0.050	-0.048
.50	.993	-0.106	-0.108	-0.105	-0.131	-0.133	-0.129	-0.177	-0.177	-0.177	-0.088	-0.086	-0.086
.17	.996	-0.120	-0.119	-0.116	-0.145	-0.145	-0.142	-0.183	-0.183	-0.183	-0.099	-0.099	-0.099
		$P_{c,j}/P_\infty = 10.96$			$P_{c,j}/P_\infty = 10.97$			$P_{c,j}/P_\infty = 10.96$			$P_{c,j}/P_\infty = 10.97$		
12.01	.719							-0.104	-0.110	-0.087	-0.043	-0.054	-0.042
10.39	.757							-0.088	-0.084	-0.077	-0.027	-0.050	-0.041
8.76	.795							-0.084	-0.076	-0.073	-0.063	-0.054	-0.051
7.18	.832							-0.178	-0.176	-0.175	-0.132	-0.128	-0.127
5.56	.870							-0.253	-0.253	-0.247	-0.154	-0.156	-0.151
3.93	.908							-0.209	-0.206	-0.205	-0.214	-0.212	-0.212
2.35	.945							-0.025	-0.023	-0.024	-0.277	-0.275	-0.268
1.54	.964							-0.115	-0.112	-0.112	-0.064	-0.076	-0.091
.75	.983							-0.162	-0.164	-0.165	-0.078	-0.070	-0.069
.50	.993							-0.183	-0.183	-0.183	-0.104	-0.104	-0.105
.17	.996							-0.190	-0.189	-0.190	-0.113	-0.113	-0.114

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(1) Afterbody VIII - Concluded

$t_1 = 1,200^\circ F$

$\frac{x}{L}$	$\frac{x}{L_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,1}/P_\infty = 2.04$			$P_{t,1}/P_\infty = 2.02$			$P_{t,1}/P_\infty = 2.06$			$P_{t,1}/P_\infty = 1.99$		
12.01	0.719	-0.025	-0.028	-0.016	-0.019	-0.021	-0.007	-0.102	-0.108	-0.097	-0.047	-0.055	-0.045
10.39	.727	-0.039	-0.036	-0.029	-0.036	-0.031	-0.024	-0.085	-0.083	-0.075	-0.039	-0.052	-0.044
8.76	.735	-0.056	-0.059	-0.056	-0.056	-0.059	-0.057	-0.082	-0.072	-0.072	-0.053	-0.056	-0.055
7.18	.832	-0.142	-0.139	-0.145	-0.159	-0.169	-0.164	-0.173	-0.176	-0.174	-0.130	-0.126	-0.124
5.56	.870	-0.188	-0.188	-0.186	-0.181	-0.179	-0.176	-0.253	-0.252	-0.247	-0.195	-0.196	-0.190
5.93	.908	-0.117	-0.116	-0.121	-0.131	-0.135	-0.130	-0.307	-0.307	-0.306	-0.229	-0.251	-0.232
2.35	.945	-0.037	-0.041	-0.039	-0.030	-0.034	-0.037	-0.021	-0.017	-0.017	-0.274	-0.267	-0.257
1.94	.964	-0.016	-0.015	-0.008	-0.008	-0.027	-0.023	-0.113	-0.110	-0.107	-0.081	-0.096	-0.111
.73	.983	-0.070	-0.058	-0.059	-0.059	-0.086	-0.086	-0.152	-0.152	-0.152	-0.093	-0.094	-0.088
.30	.993	-0.099	-0.098	-0.096	-0.116	-0.117	-0.116	-0.182	-0.181	-0.181	-0.089	-0.089	-0.088
.17	.996	-0.107	-0.106	-0.107	-0.129	-0.131	-0.131	-0.187	-0.186	-0.189	-0.099	-0.100	-0.101
		$P_{t,1}/P_\infty = 3.05$			$P_{t,1}/P_\infty = 3.01$			$P_{t,1}/P_\infty = 3.05$			$P_{t,1}/P_\infty = 2.99$		
12.01	.719	-0.026	-0.026	-0.016	-0.021	-0.021	-0.008	-0.102	-0.109	-0.099	-0.045	-0.056	-0.045
10.39	.727	-0.041	-0.037	-0.031	-0.036	-0.031	-0.023	-0.089	-0.083	-0.076	-0.028	-0.052	-0.042
8.76	.735	-0.069	-0.061	-0.058	-0.058	-0.059	-0.056	-0.082	-0.073	-0.070	-0.059	-0.056	-0.054
7.18	.832	-0.145	-0.139	-0.139	-0.178	-0.166	-0.169	-0.176	-0.174	-0.173	-0.130	-0.126	-0.124
5.56	.870	-0.188	-0.180	-0.186	-0.181	-0.180	-0.177	-0.252	-0.254	-0.248	-0.194	-0.195	-0.190
5.93	.908	-0.118	-0.118	-0.121	-0.135	-0.135	-0.136	-0.309	-0.308	-0.307	-0.224	-0.251	-0.231
2.35	.945	-0.038	-0.042	-0.042	-0.033	-0.038	-0.037	-0.019	-0.013	-0.013	-0.274	-0.265	-0.261
1.94	.964	-0.014	-0.012	-0.008	-0.008	-0.025	-0.019	-0.109	-0.106	-0.106	-0.083	-0.101	-0.116
.73	.983	-0.064	-0.062	-0.061	-0.064	-0.082	-0.080	-0.160	-0.159	-0.159	-0.082	-0.083	-0.083
.30	.993	-0.090	-0.090	-0.090	-0.112	-0.112	-0.110	-0.179	-0.179	-0.178	-0.082	-0.082	-0.083
.17	.996	-0.098	-0.100	-0.100	-0.128	-0.125	-0.124	-0.186	-0.185	-0.187	-0.095	-0.094	-0.095
		$P_{t,1}/P_\infty = 5.01$			$P_{t,1}/P_\infty = 5.06$			$P_{t,1}/P_\infty = 5.02$			$P_{t,1}/P_\infty = 5.15$		
12.01	.719	-0.024	-0.025	-0.015	-0.020	-0.020	-0.009	-0.102	-0.110	-0.096	-0.044	-0.054	-0.045
10.39	.727	-0.039	-0.035	-0.029	-0.030	-0.030	-0.023	-0.085	-0.083	-0.077	-0.036	-0.051	-0.045
8.76	.735	-0.066	-0.058	-0.052	-0.057	-0.059	-0.055	-0.083	-0.073	-0.072	-0.053	-0.052	-0.052
7.18	.832	-0.140	-0.139	-0.136	-0.165	-0.166	-0.165	-0.175	-0.171	-0.171	-0.130	-0.126	-0.126
5.56	.870	-0.187	-0.188	-0.181	-0.179	-0.179	-0.176	-0.251	-0.251	-0.245	-0.192	-0.197	-0.190
5.93	.908	-0.117	-0.117	-0.118	-0.132	-0.132	-0.134	-0.309	-0.305	-0.302	-0.225	-0.253	-0.233
2.35	.945	-0.037	-0.038	-0.041	-0.034	-0.036	-0.036	-0.014	-0.010	-0.010	-0.277	-0.269	-0.260
1.94	.964	-0.014	-0.014	-0.008	-0.008	-0.025	-0.020	-0.109	-0.106	-0.106	-0.101	-0.113	-0.127
.73	.983	-0.062	-0.061	-0.061	-0.063	-0.079	-0.078	-0.160	-0.158	-0.160	-0.086	-0.080	-0.086
.30	.993	-0.086	-0.089	-0.086	-0.109	-0.109	-0.107	-0.179	-0.178	-0.179	-0.079	-0.078	-0.078
.17	.996	-0.097	-0.095	-0.096	-0.120	-0.122	-0.119	-0.185	-0.185	-0.185	-0.091	-0.090	-0.091
		$P_{t,1}/P_\infty = 7.05$			$P_{t,1}/P_\infty = 7.00$			$P_{t,1}/P_\infty = 7.01$			$P_{t,1}/P_\infty = 7.05$		
12.01	.719	-0.026	-0.026	-0.014	-0.019	-0.019	-0.008	-0.104	-0.109	-0.095	-0.049	-0.058	-0.046
10.39	.727	-0.039	-0.034	-0.026	-0.033	-0.029	-0.023	-0.086	-0.083	-0.076	-0.051	-0.055	-0.046
8.76	.735	-0.069	-0.056	-0.055	-0.065	-0.057	-0.052	-0.082	-0.074	-0.072	-0.059	-0.058	-0.055
7.18	.832	-0.140	-0.137	-0.137	-0.167	-0.164	-0.165	-0.175	-0.176	-0.175	-0.130	-0.126	-0.125
5.56	.870	-0.185	-0.186	-0.181	-0.176	-0.177	-0.174	-0.252	-0.253	-0.247	-0.196	-0.196	-0.191
5.93	.908	-0.114	-0.114	-0.118	-0.129	-0.126	-0.132	-0.310	-0.307	-0.309	-0.236	-0.254	-0.233
2.35	.945	-0.035	-0.036	-0.035	-0.029	-0.031	-0.031	-0.022	-0.016	-0.016	-0.274	-0.260	-0.247
1.94	.964	-0.020	-0.019	-0.015	-0.011	-0.029	-0.027	-0.111	-0.106	-0.106	-0.072	-0.096	-0.112
.73	.983	-0.073	-0.070	-0.068	-0.091	-0.089	-0.088	-0.160	-0.160	-0.159	-0.089	-0.082	-0.081
.30	.993	-0.099	-0.100	-0.098	-0.120	-0.119	-0.117	-0.179	-0.179	-0.179	-0.080	-0.080	-0.078
.17	.996	-0.106	-0.107	-0.108	-0.131	-0.130	-0.131	-0.189	-0.186	-0.186	-0.092	-0.092	-0.091
		$P_{t,1}/P_\infty = 9.04$			$P_{t,1}/P_\infty = 9.06$			$P_{t,1}/P_\infty = 9.05$			$P_{t,1}/P_\infty = 9.05$		
12.01	.719	-0.026	-0.026	-0.015	-0.019	-0.020	-0.007	-0.102	-0.111	-0.097	-0.049	-0.058	-0.049
10.39	.727	-0.040	-0.035	-0.029	-0.035	-0.028	-0.021	-0.088	-0.083	-0.076	-0.051	-0.054	-0.046
8.76	.735	-0.067	-0.058	-0.054	-0.065	-0.058	-0.052	-0.082	-0.073	-0.072	-0.059	-0.056	-0.055
7.18	.832	-0.141	-0.137	-0.136	-0.167	-0.164	-0.165	-0.177	-0.177	-0.174	-0.130	-0.127	-0.125
5.56	.870	-0.186	-0.187	-0.182	-0.176	-0.175	-0.172	-0.252	-0.253	-0.247	-0.198	-0.197	-0.195
5.93	.908	-0.115	-0.112	-0.116	-0.126	-0.126	-0.131	-0.309	-0.307	-0.309	-0.235	-0.254	-0.235
2.35	.945	-0.030	-0.032	-0.034	-0.023	-0.025	-0.028	-0.048	-0.045	-0.045	-0.269	-0.254	-0.245
1.94	.964	-0.008	-0.008	-0.001	-0.000	-0.026	-0.020	-0.116	-0.113	-0.111	-0.088	-0.072	-0.069
.73	.983	-0.063	-0.063	-0.060	-0.080	-0.080	-0.082	-0.165	-0.164	-0.164	-0.085	-0.059	-0.058
.30	.993	-0.115	-0.112	-0.113	-0.137	-0.136	-0.135	-0.185	-0.184	-0.182	-0.097	-0.096	-0.096
.17	.996	-0.125	-0.125	-0.125	-0.148	-0.149	-0.148	-0.191	-0.190	-0.190	-0.109	-0.108	-0.109
		$P_{t,1}/P_\infty = 10.87$ (max.)			$P_{t,1}/P_\infty = 10.90$			$P_{t,1}/P_\infty = 10.98$			$P_{t,1}/P_\infty = 10.98$		
12.01	.719				-0.019	-0.016	-0.007	-0.105	-0.108	-0.092	-0.046	-0.056	-0.045
10.39	.727				-0.034	-0.030	-0.022	-0.086	-0.082	-0.075	-0.038	-0.054	-0.045
8.76	.735				-0.063	-0.058	-0.051	-0.083	-0.074	-0.073	-0.053	-0.057	-0.054
7.18	.832				-0.165	-0.163	-0.160	-0.176	-0.174	-0.175	-0.131	-0.127	-0.126
5.56	.870				-0.179	-0.175	-0.170	-0.253	-0.252	-0.249	-0.199	-0.197	-0.190
5.93	.908				-0.122	-0.122	-0.125	-0.308	-0.307	-0.307	-0.235	-0.253	-0.234
2.35	.945				-0.013	-0.020	-0.020	-0.059	-0.054	-0.053	-0.265	-0.258	-0.249
1.94	.964				0.049	0.049	0.044	-0.123	-0.121	-0.120	-0.081	-0.040	-0.056
.73	.983				-0.121	-0.116	-0.116	-0.171	-0.170	-0.172	-0.089	-0.085	-0.085
.30	.993				-0.155	-0.154	-0.149	-0.191	-0.190	-0.191	-0.119	-0.117	-0.115
.17	.996				-0.168	-0.166	-0.165	-0.197	-0.196	-0.197	-0.127	-0.126	-0.126

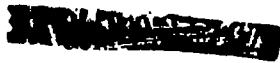


TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(j) Afterbody IX

$t_j = 0.04$

$\frac{x}{d_j}$	$\frac{K}{i_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 1.01$			$P_{t,j}/P_\infty = 1.02$			$P_{t,j}/P_\infty = 1.08$			$P_{t,j}/P_\infty = 1.05$		
16.95	.604	-0.118	-----	-0.228	-0.167	-----	-0.350	-0.089	-----	-0.254	0.059	-----	-0.118
15.22	.644	-0.120	-0.180	-0.177	-0.120	-0.235	-0.261	-0.209	-0.247	-0.292	-0.074	-0.115	-0.122
13.51	.684	-0.076	-0.099	-0.018	-0.059	-0.064	-0.039	-0.261	-0.247	-0.158	-0.159	-0.145	-0.077
11.80	.724	-0.059	-0.045	-0.020	-0.060	-0.042	-0.022	-0.209	-0.189	-0.156	-0.156	-0.099	-0.070
10.09	.764	-0.052	-0.042	-0.035	-0.051	-0.042	-0.035	-0.170	-0.165	-0.156	-0.108	-0.102	-0.095
8.38	.804	-0.052	-0.042	-0.042	-0.056	-0.047	-0.045	-0.164	-0.154	-0.150	-0.119	-0.109	-0.106
6.67	.844	-----	-0.050	-----	-----	-0.054	-----	-----	-0.168	-0.168	-----	-0.156	-----
4.96	.884	-----	-0.039	-0.032	-----	-0.038	-0.037	-----	-0.167	-0.165	-----	-0.141	-0.135
3.25	.924	-0.016	-0.013	-0.016	-0.015	-0.013	-0.017	-0.088	-0.079	-0.082	-0.140	-0.137	-0.140
2.51	.946	0.004	0.004	0.006	0.007	0.006	0.007	0.059	0.058	0.058	-0.125	-0.124	-0.120
1.74	.964	0.023	0.021	0.023	0.028	0.026	0.027	0.087	0.085	0.085	-0.085	-0.089	-0.085
.17	.996	0.026	0.026	0.026	0.034	0.032	0.032	0.111	0.111	0.111	0.028	0.034	0.035
		$P_{t,j}/P_\infty = 2.00$			$P_{t,j}/P_\infty = 2.07$			$P_{t,j}/P_\infty = 1.99$			$P_{t,j}/P_\infty = 2.01$		
16.95	.604	-0.120	-----	-0.225	-0.168	-----	-0.329	-0.090	-----	-0.254	0.041	-----	-0.125
15.22	.644	-0.121	-0.181	-0.158	-0.129	-0.235	-0.254	-0.209	-0.248	-0.298	-0.074	-0.115	-0.120
13.51	.684	-0.077	-0.060	-0.017	-0.089	-0.064	-0.018	-0.260	-0.248	-0.158	-0.158	-0.144	-0.096
11.80	.724	-0.051	-0.045	-0.024	-0.060	-0.041	-0.022	-0.209	-0.195	-0.158	-0.135	-0.099	-0.070
10.09	.764	-0.051	-0.041	-0.035	-0.051	-0.041	-0.035	-0.170	-0.165	-0.157	-0.108	-0.101	-0.095
8.38	.804	-0.051	-0.044	-0.040	-0.055	-0.045	-0.045	-0.164	-0.153	-0.151	-0.119	-0.109	-0.105
6.67	.844	-----	-0.047	-----	-----	-0.051	-----	-----	-0.168	-0.168	-----	-0.156	-----
4.96	.884	-----	-0.032	-0.030	-----	-0.034	-0.034	-----	-0.166	-0.164	-----	-0.141	-0.140
3.25	.924	-0.012	-0.008	-0.012	-0.010	-0.007	-0.011	-0.042	-0.039	-0.039	-0.141	-0.137	-0.142
2.51	.946	0.008	0.008	0.009	0.013	0.012	0.014	0.052	0.050	0.050	-0.124	-0.125	-0.122
1.74	.964	0.026	0.026	0.026	0.032	0.032	0.033	0.100	0.098	0.099	-0.087	-0.087	-0.087
.17	.996	0.007	0.009	0.010	0.019	0.021	0.021	0.114	0.114	0.115	0.022	0.026	0.025
		$P_{t,j}/P_\infty = 2.90$			$P_{t,j}/P_\infty = 3.00$			$P_{t,j}/P_\infty = 2.98$			$P_{t,j}/P_\infty = 2.97$		
16.95	.604	-0.121	-----	-0.228	-0.168	-----	-0.328	-0.091	-----	-0.255	0.039	-----	-0.120
15.22	.644	-0.122	-0.180	-0.159	-0.129	-0.235	-0.254	-0.209	-0.248	-0.298	-0.075	-0.114	-0.121
13.51	.684	-0.079	-0.061	-0.019	-0.089	-0.064	-0.018	-0.261	-0.248	-0.158	-0.140	-0.145	-0.077
11.80	.724	-0.062	-0.044	-0.025	-0.060	-0.041	-0.022	-0.209	-0.198	-0.158	-0.156	-0.099	-0.070
10.09	.764	-0.055	-0.042	-0.035	-0.051	-0.041	-0.035	-0.171	-0.164	-0.156	-0.108	-0.101	-0.096
8.38	.804	-0.055	-0.045	-0.042	-0.055	-0.045	-0.044	-0.164	-0.153	-0.151	-0.108	-0.109	-0.106
6.67	.844	-----	-0.048	-----	-----	-0.052	-----	-----	-0.169	-0.169	-----	-0.156	-----
4.96	.884	-----	-0.033	-0.031	-----	-0.035	-0.035	-----	-0.167	-0.160	-----	-0.141	-0.140
3.25	.924	-0.013	-0.009	-0.013	-0.011	-0.007	-0.012	-0.046	-0.037	-0.038	-0.141	-0.137	-0.142
2.51	.946	0.006	0.006	0.009	0.015	0.012	0.015	0.060	0.057	0.058	-0.125	-0.125	-0.125
1.74	.964	0.024	0.024	0.024	0.029	0.029	0.032	0.097	0.095	0.096	-0.089	-0.089	-0.089
.17	.996	-0.005	-0.001	0.001	0.014	0.015	0.017	0.104	0.104	0.104	0.001	0.007	0.006



TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(j) Afterbody IX - Continued

$\tau_j = 800^\circ F$

$\frac{x}{L}$	$\frac{x}{L_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,j}/P_\infty = 1.96$			$P_{c,j}/P_\infty = 2.07$			$P_{c,j}/P_\infty = 1.99$			$P_{c,j}/P_\infty = 1.99$		
16.95	.604	-0.119	-----	-0.226	-0.165	-----	-0.286	-0.092	-----	-0.256	0.041	-----	-0.120
15.22	.644	-.121	-0.179	-.157	-.204	-.229	-.249	-.208	-0.250	-.254	-.075	-0.111	-.146
15.51	.684	-.076	-.060	-.016	-.084	-.065	-.017	-.262	-.250	-.159	-.136	-.142	-.094
11.80	.724	-.050	-.045	-.024	-.059	-.040	-.020	-.211	-.187	-.160	-.134	-.099	-.070
10.09	.764	-.050	-.041	-.035	-.049	-.039	-.022	-.175	-.165	-.157	-.146	-.099	-.094
8.36	.804	-.050	-.042	-.040	-.053	-.044	-.041	-.166	-.156	-.152	-.120	-.103	-.104
6.67	.844	-----	-.046	-----	-----	-.049	-----	-----	-.170	-----	-----	-.136	-----
4.96	.884	-----	-.030	-.089	-----	-.032	-.051	-----	-.168	-----	-.166	-----	-.141
3.25	.924	-.009	-.006	-.069	-.007	-.004	-.008	-.041	-.034	-.034	-.142	-.137	-.142
2.51	.964	.012	.011	.015	.017	.016	.018	.052	.050	.060	-.124	-.124	-.121
1.74	.984	.021	.021	.031	.029	.028	.028	.102	.100	.099	-.085	-.085	-.082
.17	.996	.024	.024	.025	.027	.027	.037	.124	.125	.123	-.092	-.093	-.091
		$P_{c,j}/P_\infty = 2.96$			$P_{c,j}/P_\infty = 2.96$			$P_{c,j}/P_\infty = 2.97$			$P_{c,j}/P_\infty = 2.99$		
16.95	.604	-.120	-----	-.227	-.167	-----	-.269	-.091	-----	-.256	.041	-----	-.122
15.22	.644	-.121	-0.159	-.158	-.204	-.229	-.249	-.207	-.249	-.254	-.074	-.110	-.149
15.51	.684	-.077	-.060	-.018	-.094	-.065	-.018	-.262	-.250	-.160	-.139	-.144	-.095
11.80	.724	-.062	-.044	-.026	-.060	-.041	-.022	-.211	-.187	-.160	-.135	-.100	-.070
10.09	.764	-.051	-.042	-.035	-.050	-.041	-.035	-.172	-.165	-.160	-.109	-.100	-.094
8.36	.804	-.051	-.043	-.041	-.054	-.045	-.042	-.166	-.156	-.152	-.120	-.109	-.106
6.67	.844	-----	-.047	-----	-----	-.050	-----	-----	-.170	-----	-----	-.137	-----
4.96	.884	-----	-.035	-.051	-----	-.034	-.053	-----	-.168	-----	-.166	-----	-.141
3.25	.924	-.011	-.008	-.052	-.009	-.006	-.010	-.049	-.041	-.041	-.143	-.139	-.142
2.51	.964	.009	.009	.011	.015	.014	.015	.059	.057	.057	-.126	-.125	-.122
1.74	.984	.026	.026	.029	.034	.033	.033	.099	.096	.096	-.087	-.086	-.085
.17	.996	.012	.013	.015	.027	.026	.030	.114	.112	.113	-.094	-.095	-.094
								$P_{c,j}/P_\infty = 3.05$			$P_{c,j}/P_\infty = 3.01$		
16.95	.604							-.092	-----	-.257	.042	-----	-.121
15.22	.644							-.208	-.250	-.254	-.075	-.112	-.146
15.51	.684							-.262	-.250	-.159	-.136	-.142	-.094
11.80	.724							-.211	-.187	-.160	-.134	-.099	-.070
10.09	.764							-.172	-.165	-.157	-.107	-.100	-.094
8.36	.804							-.166	-.155	-.151	-.119	-.106	-.105
6.67	.844							-----	-.169	-----	-----	-.136	-----
4.96	.884							-----	-.167	-----	-.164	-----	-.140
3.25	.924							-.026	-.019	-.019	-.141	-.137	-.142
2.51	.964							.070	.067	.068	-.125	-.123	-.122
1.74	.984							.108	.107	.107	-.083	-.082	-.082
.17	.996							.133	.133	.133	-.099	-.099	-.099

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(j) Afterbody IX - Concluded

 $t_j = 1,200^\circ F$

$\frac{x}{d_j}$	$\frac{y}{r_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 1.99$			$P_{t,j}/P_\infty = 2.07$			$P_{t,j}/P_\infty = 1.99$			$P_{t,j}/P_\infty = 2.01$		
16.95	.60A	-0.119	-----	-0.226	-0.167	-----	-0.350	-0.091	-----	-0.226	0.059	-----	-0.127
15.22	.64A	-.121	-.134C	-.156	-.215	-.232C	-.262	-.206	-.220	-.229	-.229	-.217	-.221
13.51	.68A	-.077	-.059	-.017	-.029	-.024	-.018	-.268	-.250	-.159	-.135	-.136	-.021
11.80	.72A	-.061	-.044	-.026	-.060	-.041	-.040	-.211	-.187	-.159	-.131	-.097	-.070
10.09	.76A	-.051	-.042	-.024	-.051	-.041	-.028	-.172	-.156	-.137	-.106	-.097	-.028
8.38	.80A	-.052	-.044	-.041	-.054	-.045	-.042	-.165	-.156	-.138	-.118	-.105	-.105
6.67	.84A	-----	-.045	-----	-----	-.051	-----	-----	-.170	-----	-----	-.136	-----
4.96	.88A	-----	-.032	-.030	-----	-.035	-.052	-----	-.168	-.166	-----	-.142	-.141
3.25	.92A	-.010	-.007	-.010	-.008	-.005	-.008	-.056	-.030	-.029	-.142	-.137	-.142
2.51	.946	.011	.010	.012	.017	.016	.016	.064	.062	.062	-.125	-.124	-.128
1.54	.96A	.031	.030	.030	.039	.038	.039	.105	.101	.101	-.084	-.084	-.083
.17	.996	.066	.025	.027	.045	.041	.045	.127	.125	.125	.055	.055	.055
		$P_{t,j}/P_\infty = 2.97$			$P_{t,j}/P_\infty = 3.05$			$P_{t,j}/P_\infty = 2.96$			$P_{t,j}/P_\infty = 2.99$		
16.95	.60A	-.120	-----	-.226	-.166	-----	-.350	-.090	-----	-.256	-.056	-----	-.128
15.22	.64A	-.121	-.139	-.159	-.212	-.238	-.259	-.206	-.249	-.229	-.135	-.107	-.132
13.51	.68A	-.077	-.060	-.017	-.083	-.065	-.046	-.262	-.249	-.159	-.132	-.137	-.021
11.80	.72A	-.061	-.044	-.026	-.098	-.040	-.040	-.212	-.187	-.159	-.122	-.098	-.049
10.09	.76A	-.051	-.042	-.025	-.049	-.039	-.031	-.172	-.166	-.137	-.106	-.097	-.028
8.38	.80A	-.052	-.044	-.041	-.053	-.045	-.042	-.166	-.156	-.135	-.115	-.105	-.102
6.67	.84A	-----	-.046	-----	-----	-.050	-----	-----	-.170	-----	-----	-.125	-----
4.96	.88A	-----	-.031	-.031	-----	-.033	-.021	-----	-.169	-.166	-----	-.142	-.140
3.25	.92A	-.010	-.007	-.010	-.007	-.004	-.007	-.055	-.044	-.044	-.142	-.139	-.142
2.51	.946	.011	.010	.013	.016	.016	.016	.079	.077	.077	-.124	-.124	-.128
1.54	.96A	.030	.029	.031	.039	.038	.039	.100	.097	.098	-.068	-.067	-.087
.17	.996	.016	.017	.020	.035	.034	.037	.119	.117	.119	.055	.055	.055
								$P_{t,j}/P_\infty = 4.96$			$P_{t,j}/P_\infty = 4.96$		
16.95	.60A							-.090	-----	-.256	-.051	-----	-.126
15.22	.64A							-.206	-.249	-.229	-.073	-.111	-.147
13.51	.68A							-.262	-.249	-.159	-.137	-.142	-.020
11.80	.72A							-.212	-.188	-.159	-.134	-.100	-.072
10.09	.76A							-.172	-.166	-.137	-.106	-.100	-.029
8.38	.80A							-.166	-.156	-.132	-.120	-.109	-.106
6.67	.84A							-----	-.171	-----	-----	-.137	-----
4.96	.88A							-----	-.169	-.166	-----	-.143	-.141
3.25	.92A							-.056	-.028	-.028	-.114	-.140	-.142
2.51	.946							.069	.057	.056	-.125	-.125	-.125
1.54	.96A							.110	.108	.109	-.029	-.029	-.029
.17	.996							.140	.140	.141	.061	.059	.059

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(k) Afterbody I

$t_2 = \text{Cold}$

$\frac{x}{d_j}$	$\frac{x}{L_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,2}/P_\infty = 0.94$			$P_{t,2}/P_\infty = 0.92$			$P_{t,2}/P_\infty = 0.88$			$P_{t,2}/P_\infty = 0.80$		
12.01	0.719	-0.017	-0.011	-0.001	-0.008	-0.002	0.009	-0.102	-0.095	-0.089	-0.090	-0.046	-0.036
10.39	.757	-0.018	-0.014	-0.007	-0.007	-0.006	0.001	-0.082	-0.083	-0.077	-0.056	-0.053	-0.048
8.76	.795	-0.018	-0.011	-0.014	-0.011	-0.004	-0.007	-0.070	-0.064	-0.068	-0.065	-0.056	-0.061
7.18	.832	-0.019	-0.017	-0.017	-0.011	-0.010	-0.025	-0.019	-0.016	-0.019	-0.014	-0.015	-0.015
5.56	.870	-0.020	-0.021	-0.022	-0.019	-0.016	-0.016	-0.022	-0.025	-0.023	-0.023	-0.019	-0.020
3.95	.908	-0.021	-0.026	-0.026	-0.027	-0.022	-0.022	-0.042	-0.046	-0.047	-0.049	-0.041	-0.037
2.35	.945	-0.046	-0.043	-0.043	-0.042	-0.039	-0.039	-0.042	-0.039	-0.034	-0.034	-0.030	-0.028
1.74	.984	-0.093	-0.098	-0.096	-0.090	-0.092	-0.093	-0.082	-0.079	-0.080	-0.095	-0.088	-0.084
.73	.983	-0.076	-0.071	-0.073	-0.070	-0.072	-0.072	-0.072	-0.071	-0.067	-0.044	-0.041	-0.041
.50	.993	-0.092	-0.092	-0.087	-0.094	-0.099	-0.099	-0.049	-0.049	-0.059	-0.022	-0.025	-0.018
.17	.996	-0.108	-0.108	-0.102	-0.113	-0.115	-0.108	-0.097	-0.089	-0.073	-0.044	-0.041	-0.024
		$P_{t,2}/P_\infty = 1.99$			$P_{t,2}/P_\infty = 2.00$			$P_{t,2}/P_\infty = 2.00$			$P_{t,2}/P_\infty = 2.02$		
12.01	.719	-0.012	-0.006	.004	-0.007	-0.001	.011	-0.098	-0.095	-0.085	-0.098	-0.054	-0.046
10.39	.757	-0.010	-0.008	-0.005	-0.005	-0.003	.002	-0.078	-0.077	-0.074	-0.060	-0.056	-0.053
8.76	.795	-0.014	-0.008	-0.010	-0.009	-0.004	-0.005	-0.065	-0.056	-0.060	-0.065	-0.058	-0.062
7.18	.832	-0.015	-0.014	-0.013	-0.012	-0.011	-0.010	-0.048	-0.044	-0.044	-0.052	-0.052	-0.052
5.56	.870	-0.025	-0.019	-0.018	-0.019	-0.015	-0.019	-0.015	-0.019	-0.041	-0.044	-0.048	-0.048
3.95	.908	-0.031	-0.026	-0.029	-0.028	-0.023	-0.023	-0.044	-0.047	-0.048	-0.037	-0.024	-0.015
2.35	.945	-0.048	-0.045	-0.045	-0.048	-0.043	-0.043	-0.031	-0.034	-0.034	-0.014	-0.016	-0.016
1.74	.984	-0.060	-0.064	-0.062	-0.057	-0.062	-0.060	-0.021	-0.017	-0.019	-0.019	-0.010	-0.010
.73	.983	-0.098	-0.099	-0.097	-0.091	-0.098	-0.097	-0.012	-0.010	-0.010	-0.019	-0.014	-0.014
.50	.993	-0.119	-0.119	-0.112	-0.121	-0.113	-0.100	-0.059	-0.049	-0.049	-0.008	-0.007	-0.005
.17	.996	-0.143	-0.143	-0.139	-0.149	-0.149	-0.139	-0.106	-0.106	-0.091	-0.055	-0.055	-0.036
		$P_{t,2}/P_\infty = 3.08$			$P_{t,2}/P_\infty = 3.00$			$P_{t,2}/P_\infty = 3.02$			$P_{t,2}/P_\infty = 3.01$		
12.01	.719	-0.007	-0.005	.005	-0.007	-0.001	.009	-0.100	-0.094	-0.094	-0.098	-0.054	-0.046
10.39	.757	-0.009	-0.006	-0.003	-0.005	-0.009	.007	-0.080	-0.078	-0.075	-0.061	-0.056	-0.054
8.76	.795	-0.012	-0.007	-0.010	-0.009	-0.004	-0.006	-0.066	-0.059	-0.065	-0.069	-0.068	-0.065
7.18	.832	-0.015	-0.014	-0.012	-0.013	-0.011	-0.002	-0.002	.001	.000	-0.024	-0.023	-0.022
5.56	.870	-0.022	-0.018	-0.019	-0.020	-0.016	-0.017	-0.027	-0.040	-0.039	-0.029	-0.048	-0.049
3.95	.908	-0.031	-0.026	-0.026	-0.028	-0.024	-0.024	-0.047	-0.047	-0.047	-0.037	-0.022	-0.015
2.35	.945	-0.050	-0.046	-0.047	-0.048	-0.044	-0.044	-0.030	-0.034	-0.033	-0.014	-0.016	-0.016
1.74	.984	-0.063	-0.067	-0.065	-0.060	-0.069	-0.065	-0.020	-0.016	-0.017	-0.019	-0.019	-0.019
.73	.983	-0.097	-0.093	-0.092	-0.086	-0.092	-0.091	-0.018	-0.014	-0.012	-0.029	-0.033	-0.036
.50	.993	-0.127	-0.126	-0.118	-0.128	-0.127	-0.120	-0.064	-0.063	-0.062	-0.009	-0.009	-0.005
.17	.996	-0.152	-0.151	-0.142	-0.158	-0.158	-0.148	-0.112	-0.112	-0.096	-0.057	-0.056	-0.037
		$P_{t,2}/P_\infty = 4.99$			$P_{t,2}/P_\infty = 4.98$			$P_{t,2}/P_\infty = 5.00$			$P_{t,2}/P_\infty = 5.02$		
12.01	.719	-0.012	-0.007	.003	-0.005	.001	.011	-0.099	-0.095	-0.084	-0.099	-0.056	-0.047
10.39	.757	-0.011	-0.009	-0.005	-0.004	-0.002	.002	-0.080	-0.080	-0.076	-0.061	-0.057	-0.054
8.76	.795	-0.015	-0.009	-0.011	-0.012	-0.004	-0.006	-0.066	-0.059	-0.064	-0.066	-0.066	-0.062
7.18	.832	-0.017	-0.016	-0.015	-0.012	-0.011	-0.010	-0.046	-0.044	-0.047	-0.052	-0.052	-0.053
5.56	.870	-0.025	-0.021	-0.021	-0.020	-0.016	-0.016	-0.036	-0.039	-0.038	-0.024	-0.019	-0.019
3.95	.908	-0.034	-0.030	-0.029	-0.030	-0.024	-0.024	-0.043	-0.047	-0.047	-0.031	-0.016	-0.016
2.35	.945	-0.049	-0.045	-0.045	-0.050	-0.046	-0.047	-0.030	-0.034	-0.033	-0.019	-0.014	-0.014
1.74	.984	-0.069	-0.074	-0.073	-0.064	-0.068	-0.067	-0.020	-0.017	-0.017	-0.008	-0.005	-0.005
.73	.983	-0.109	-0.106	-0.109	-0.104	-0.100	-0.098	-0.020	-0.015	-0.015	-0.004	-0.009	-0.009
.50	.993	-0.145	-0.144	-0.138	-0.143	-0.140	-0.135	-0.069	-0.067	-0.066	-0.013	-0.011	-0.008
.17	.996	-0.176	-0.176	-0.168	-0.176	-0.176	-0.167	-0.121	-0.122	-0.105	-0.060	-0.060	-0.041
		$P_{t,2}/P_\infty = 5.28 \text{ (max.)}$			$P_{t,2}/P_\infty = 6.26 \text{ (max.)}$			$P_{t,2}/P_\infty = 6.93$			$P_{t,2}/P_\infty = 7.05$		
12.01	.719	-0.012	-0.007	.005	-0.007	.000	.010	-0.099	-0.095	-0.084	-0.097	-0.055	-0.045
10.39	.757	-0.011	-0.008	-0.005	-0.005	-0.005	.001	-0.079	-0.078	-0.075	-0.059	-0.056	-0.053
8.76	.795	-0.015	-0.009	-0.011	-0.010	-0.005	-0.007	-0.066	-0.059	-0.065	-0.065	-0.068	-0.062
7.18	.832	-0.018	-0.016	-0.015	-0.013	-0.012	-0.012	-0.002	-0.002	.001	-0.031	-0.031	-0.031
5.56	.870	-0.027	-0.020	-0.021	-0.021	-0.018	-0.018	-0.037	-0.040	-0.038	-0.023	-0.017	-0.017
3.95	.908	-0.034	-0.030	-0.029	-0.031	-0.026	-0.026	-0.043	-0.047	-0.047	-0.029	-0.016	-0.016
2.35	.945	-0.049	-0.045	-0.045	-0.053	-0.049	-0.050	-0.030	-0.033	-0.033	-0.012	-0.009	-0.009
1.74	.984	-0.072	-0.076	-0.074	-0.067	-0.072	-0.071	-0.019	-0.015	-0.017	-0.019	-0.019	-0.019
.73	.983	-0.115	-0.110	-0.109	-0.110	-0.106	-0.109	-0.021	-0.017	-0.019	-0.008	-0.003	-0.003
.50	.993	-0.152	-0.150	-0.145	-0.153	-0.151	-0.149	-0.074	-0.075	-0.060	-0.010	-0.009	-0.004
.17	.996	-0.184	-0.182	-0.176	-0.192	-0.190	-0.185	-0.132	-0.132	-0.113	-0.058	-0.058	-0.038
											$P_{t,2}/P_\infty = 7.96 \text{ (max.)}$		
12.01	.719										-0.057	-0.053	-0.044
10.39	.757										-0.050	-0.046	-0.033
8.76	.795										-0.056	-0.059	-0.044
7.18	.832										-0.054	-0.054	-0.054
5.56	.870										-0.055	-0.049	-0.050
3.95	.908										-0.044	-0.033	-0.034
2.35	.945										-0.028	-0.027	-0.027
1.74	.984										-0.020	-0.014	-0.014
.73	.983										-0.012	-0.012	-0.012
.50	.993										-0.008	-0.007	-0.006
.17	.996										-0.007	-0.007	-0.008

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(k) Afterbody X - Continued

 $t_j = 800^\circ F$

$\frac{x}{d_j}$	$\frac{x}{l_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,j}/P_\infty = 2.01$			$P_{c,j}/P_\infty = 2.02$			$P_{c,j}/P_\infty = 2.00$			$P_{c,j}/P_\infty = 1.99$		
12.01	0.719	-0.011	-0.005	0.005	-0.005	0.000	0.012	-0.101	-0.094	-0.094	-0.054	-0.053	-0.045
10.39	0.757	-0.009	-0.007	-0.002	-0.004	-0.002	0.003	-0.080	-0.080	-0.076	-0.028	-0.020	-0.023
8.76	0.795	-0.012	-0.007	-0.010	-0.008	-0.002	-0.005	-0.069	-0.061	-0.066	-0.066	-0.060	-0.059
7.18	0.832	-0.014	-0.012	-0.011	-0.011	-0.009	-0.009	-0.016	-0.013	-0.010	-0.094	-0.092	-0.093
5.56	0.870	-0.021	-0.017	-0.017	-0.018	-0.014	-0.014	0.034	0.037	0.036	-0.053	-0.048	-0.049
3.93	0.908	-0.029	-0.024	-0.023	-0.026	-0.021	-0.021	0.042	0.046	0.047	-0.047	-0.039	-0.027
2.30	0.945	-0.046	-0.042	-0.042	-0.043	-0.040	-0.040	0.051	0.053	0.055	-0.117	-0.102	-0.091
1.54	0.964	-0.056	-0.051	-0.051	-0.053	-0.050	-0.050	0.062	0.063	0.060	0.050	0.079	0.077
0.73	0.983	-0.086	-0.082	-0.081	-0.086	-0.081	-0.080	-0.015	-0.010	-0.008	0.038	0.045	0.042
0.30	0.993	-0.109	-0.109	-0.101	-0.112	-0.104	-0.104	-0.056	-0.053	-0.045	0.004	0.001	0.018
0.17	0.996	-0.132	-0.131	-0.122	-0.138	-0.137	-0.138	-0.099	-0.092	-0.080	-0.041	-0.045	-0.029
		$P_{c,j}/P_\infty = 3.01$			$P_{c,j}/P_\infty = 3.00$			$P_{c,j}/P_\infty = 3.00$			$P_{c,j}/P_\infty = 2.98$		
12.01	0.719	-0.013	-0.008	0.003	-0.007	-0.001	0.010	-0.103	-0.097	-0.087	-0.057	-0.056	-0.047
10.39	0.757	-0.011	-0.009	-0.005	-0.006	-0.003	0.001	-0.083	-0.082	-0.079	-0.060	-0.063	-0.056
8.76	0.795	-0.015	-0.010	-0.012	-0.009	-0.005	-0.007	-0.071	-0.063	-0.067	-0.067	-0.061	-0.067
7.18	0.832	-0.016	-0.015	-0.014	-0.012	-0.010	-0.010	-0.008	-0.007	-0.007	-0.054	-0.054	-0.059
5.56	0.870	-0.023	-0.020	-0.020	-0.019	-0.016	-0.016	0.023	0.024	0.024	-0.074	-0.060	-0.051
3.93	0.908	-0.032	-0.027	-0.026	-0.028	-0.023	-0.023	0.040	0.045	0.045	-0.046	-0.032	-0.022
2.30	0.945	-0.050	-0.046	-0.046	-0.045	-0.043	-0.043	0.029	0.032	0.032	-0.113	-0.101	-0.089
1.54	0.964	-0.061	-0.050	-0.053	-0.058	-0.052	-0.051	0.019	0.015	0.016	0.050	0.074	0.072
0.73	0.983	-0.093	-0.089	-0.089	-0.091	-0.087	-0.087	-0.018	-0.012	-0.012	0.004	0.037	0.037
0.30	0.993	-0.119	-0.119	-0.112	-0.123	-0.119	-0.119	-0.069	-0.062	-0.051	-0.001	-0.022	-0.027
0.17	0.996	-0.143	-0.142	-0.136	-0.149	-0.148	-0.149	-0.109	-0.108	-0.094	-0.045	-0.049	-0.034
		$P_{c,j}/P_\infty = 3.02$			$P_{c,j}/P_\infty = 3.00$			$P_{c,j}/P_\infty = 2.99$			$P_{c,j}/P_\infty = 3.01$		
12.01	0.719	-0.013	-0.009	0.008	-0.008	-0.001	0.009	-0.102	-0.095	-0.085	-0.053	-0.053	-0.044
10.39	0.757	-0.012	-0.010	-0.005	-0.007	-0.004	0.001	-0.081	-0.081	-0.077	-0.058	-0.060	-0.054
8.76	0.795	-0.015	-0.011	-0.012	-0.011	-0.009	-0.007	-0.068	-0.061	-0.065	-0.064	-0.059	-0.060
7.18	0.832	-0.018	-0.016	-0.016	-0.014	-0.012	-0.011	-0.008	-0.006	-0.004	-0.054	-0.052	-0.054
5.56	0.870	-0.025	-0.021	-0.021	-0.022	-0.017	-0.017	0.034	0.037	0.037	-0.055	-0.047	-0.049
3.93	0.908	-0.035	-0.029	-0.029	-0.031	-0.025	-0.025	0.041	0.045	0.046	-0.047	-0.036	-0.028
2.30	0.945	-0.054	-0.051	-0.050	-0.050	-0.046	-0.046	0.030	0.035	0.035	-0.119	-0.103	-0.092
1.54	0.964	-0.069	-0.063	-0.071	-0.063	-0.067	-0.066	0.019	0.015	0.017	0.087	0.080	0.077
0.73	0.983	-0.106	-0.105	-0.102	-0.101	-0.097	-0.097	-0.021	-0.016	-0.013	0.040	0.045	0.045
0.30	0.993	-0.138	-0.138	-0.135	-0.137	-0.129	-0.129	-0.066	-0.067	-0.059	-0.005	0.001	0.010
0.17	0.996	-0.167	-0.166	-0.160	-0.170	-0.168	-0.168	-0.113	-0.104	-0.104	-0.045	-0.047	-0.031
		$P_{c,j}/P_\infty = 7.01$			$P_{c,j}/P_\infty = 7.00$			$P_{c,j}/P_\infty = 6.97$			$P_{c,j}/P_\infty = 6.99$		
12.01	0.719	-0.017	-0.012	-0.001	-0.008	-0.002	0.009	-0.102	-0.095	-0.086	-0.054	-0.054	-0.044
10.39	0.757	-0.015	-0.014	-0.009	-0.007	-0.004	0.000	-0.082	-0.081	-0.077	-0.058	-0.060	-0.054
8.76	0.795	-0.019	-0.015	-0.015	-0.011	-0.005	-0.008	-0.069	-0.062	-0.066	-0.064	-0.059	-0.062
7.18	0.832	-0.028	-0.021	-0.019	-0.014	-0.013	-0.011	-0.011	-0.009	-0.006	-0.054	-0.053	-0.054
5.56	0.870	-0.040	-0.036	-0.035	-0.032	-0.027	-0.025	0.034	0.037	0.036	-0.055	-0.049	-0.050
3.93	0.908	-0.040	-0.036	-0.035	-0.032	-0.027	-0.026	0.042	0.045	0.046	-0.047	-0.034	-0.026
2.30	0.945	-0.063	-0.060	-0.060	-0.054	-0.049	-0.050	0.030	0.033	0.032	-0.118	-0.102	-0.091
1.54	0.964	-0.080	-0.075	-0.082	-0.068	-0.073	-0.071	0.018	0.015	0.016	0.069	0.078	0.074
0.73	0.983	-0.120	-0.122	-0.120	-0.111	-0.107	-0.106	-0.043	-0.018	-0.015	0.058	0.045	0.041
0.30	0.993	-0.167	-0.169	-0.161	-0.135	-0.132	-0.132	-0.116	-0.073	-0.072	-0.060	0.003	0.009
0.17	0.996	-0.205	-0.200	-0.197	-0.159	-0.152	-0.152	-0.111	-0.130	-0.112	-0.044	-0.020	-0.034
		$P_{c,j}/P_\infty = 8.94$			$P_{c,j}/P_\infty = 9.00$			$P_{c,j}/P_\infty = 9.05$			$P_{c,j}/P_\infty = 9.00$		
12.01	0.719	-0.014	-0.008	0.005	-0.005	-0.000	0.011	-0.101	-0.095	-0.085	-0.051	-0.049	-0.041
10.39	0.757	-0.011	-0.010	-0.005	-0.004	-0.003	0.002	-0.081	-0.080	-0.076	-0.056	-0.056	-0.052
8.76	0.795	-0.015	-0.010	-0.012	-0.009	-0.004	-0.006	-0.067	-0.060	-0.063	-0.063	-0.057	-0.063
7.18	0.832	-0.018	-0.017	-0.015	-0.012	-0.010	-0.010	-0.001	0.001	0.001	-0.054	-0.051	-0.053
5.56	0.870	-0.026	-0.023	-0.023	-0.021	-0.017	-0.018	0.025	0.029	0.028	-0.052	-0.047	-0.048
3.93	0.908	-0.037	-0.035	-0.032	-0.031	-0.027	-0.026	0.041	0.046	0.046	-0.048	-0.039	-0.034
2.30	0.945	-0.055	-0.050	-0.050	-0.043	-0.039	-0.039	0.029	0.032	0.032	-0.121	-0.102	-0.088
1.54	0.964	-0.064	-0.067	-0.065	-0.070	-0.075	-0.073	0.018	0.014	0.016	0.054	0.068	0.063
0.73	0.983	-0.136	-0.132	-0.130	-0.117	-0.115	-0.112	-0.024	-0.020	-0.017	0.045	0.049	0.049
0.30	0.993	-0.188	-0.187	-0.182	-0.168	-0.166	-0.158	-0.078	-0.076	-0.063	0.006	0.005	0.015
0.17	0.996	-0.232	-0.230	-0.223	-0.217	-0.215	-0.206	-0.158	-0.159	-0.118	-0.040	-0.045	-0.028
								$P_{c,j}/P_\infty = 11.02$			$P_{c,j}/P_\infty = 10.99$		
12.01	0.719							-0.100	-0.094	-0.084	-0.053	-0.052	-0.043
10.39	0.757							-0.080	-0.079	-0.076	-0.058	-0.061	-0.053
8.76	0.795							-0.067	-0.059	-0.063	-0.060	-0.059	-0.060
7.18	0.832							-0.002	-0.001	0.001	-0.056	-0.054	-0.056
5.56	0.870							0.046	0.049	0.048	-0.053	-0.049	-0.051
3.93	0.908							0.062	0.067	0.067	-0.020	-0.028	-0.023
2.30	0.945							0.029	0.033	0.032	-0.120	-0.101	-0.087
1.54	0.964							0.018	0.014	0.016	0.021	0.023	0.020
0.73	0.983							-0.024	-0.020	-0.016	0.043	0.045	0.045
0.30	0.993							-0.078	-0.077	-0.063	0.009	0.003	0.012
0.17	0.996							-0.140	-0.141	-0.119	-0.043	-0.048	-0.031



TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(k) Afterbody X - Concluded

$t_1 = 1,200^\circ F$

$\frac{x}{d}$	$\frac{x}{x_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,1}/P_\infty = 1.99$			$P_{t,1}/P_\infty = 1.99$			$P_{t,1}/P_\infty = 2.00$			$P_{t,1}/P_\infty = 2.01$		
12.01	0.719	-0.009	-0.005	0.006	-0.005	0.002	0.013	-0.100	-0.095	-0.088	-0.049	-0.045	-0.037
10.39	.757	-0.009	-0.007	-0.008	-0.009	-0.001	0.004	-0.081	-0.081	-0.076	-0.059	-0.052	-0.046
8.76	.795	-0.012	-0.006	0.008	-0.006	-0.001	-0.003	-0.071	-0.064	-0.068	-0.063	-0.056	-0.051
7.18	.832	-0.013	-0.013	-0.011	-0.010	-0.008	-0.006	-0.067	-0.063	-0.061	-0.055	-0.053	-0.053
5.56	.870	-0.020	-0.016	-0.016	-0.017	-0.013	-0.013	-0.052	-0.059	-0.059	-0.053	-0.049	-0.049
3.93	.908	-0.029	-0.023	-0.023	-0.025	-0.020	-0.019	-0.043	-0.046	-0.046	-0.050	-0.044	-0.041
2.35	.945	-0.041	-0.041	-0.041	-0.042	-0.039	-0.039	-0.032	-0.039	-0.039	-0.036	-0.031	-0.030
1.54	.964	-0.054	-0.050	-0.050	-0.052	-0.046	-0.044	-0.022	-0.020	-0.021	-0.022	-0.022	-0.022
.73	.983	-0.083	-0.079	-0.079	-0.083	-0.078	-0.078	-0.014	-0.008	-0.007	-0.011	-0.011	-0.011
.30	.993	-0.107	-0.107	-0.100	-0.106	-0.109	-0.101	-0.006	-0.003	-0.004	-0.006	-0.009	-0.021
.17	.996	-0.127	-0.129	-0.121	-0.133	-0.135	-0.125	-0.037	-0.036	-0.034	-0.043	-0.042	-0.023
		$P_{t,1}/P_\infty = 3.00$			$P_{t,1}/P_\infty = 2.99$			$P_{t,1}/P_\infty = 3.02$			$P_{t,1}/P_\infty = 2.99$		
12.01	.719	-0.010	-0.005	0.004	-0.004	0.001	0.012	-0.099	-0.094	-0.084	-0.042	-0.048	-0.040
10.39	.757	-0.009	-0.006	0.005	-0.004	-0.002	0.003	-0.080	-0.080	-0.076	-0.056	-0.055	-0.049
8.76	.795	-0.011	-0.006	-0.009	-0.008	-0.003	-0.002	-0.067	-0.059	-0.065	-0.064	-0.058	-0.053
7.18	.832	-0.013	-0.012	-0.011	-0.010	-0.009	-0.008	-0.051	-0.050	-0.051	-0.054	-0.054	-0.054
5.56	.870	-0.021	-0.016	-0.017	-0.019	-0.014	-0.015	-0.036	-0.040	-0.038	-0.053	-0.050	-0.051
3.93	.908	-0.029	-0.023	-0.024	-0.027	-0.022	-0.022	-0.022	-0.046	-0.047	-0.049	-0.042	-0.038
2.35	.945	-0.042	-0.043	-0.043	-0.044	-0.042	-0.041	-0.021	-0.024	-0.024	-0.029	-0.022	-0.020
1.54	.964	-0.056	-0.054	-0.050	-0.056	-0.051	-0.059	-0.020	-0.017	-0.018	-0.022	-0.029	-0.021
.73	.983	-0.092	-0.085	-0.085	-0.090	-0.084	-0.084	-0.017	-0.013	-0.013	-0.018	-0.018	-0.018
.30	.993	-0.116	-0.116	-0.108	-0.119	-0.119	-0.109	-0.061	-0.062	-0.060	-0.061	-0.061	-0.013
.17	.996	-0.140	-0.139	-0.129	-0.146	-0.144	-0.135	-0.106	-0.106	-0.098	-0.051	-0.049	-0.031
		$P_{t,1}/P_\infty = 4.98$			$P_{t,1}/P_\infty = 4.98$			$P_{t,1}/P_\infty = 4.99$			$P_{t,1}/P_\infty = 4.98$		
12.01	.719	-0.008	-0.002	0.006	-0.006	0.000	0.012	-0.099	-0.093	-0.083	-0.055	-0.049	-0.041
10.39	.757	-0.006	-0.004	0.001	-0.004	-0.002	0.003	-0.078	-0.078	-0.079	-0.058	-0.059	-0.050
8.76	.795	-0.009	-0.004	-0.006	-0.009	-0.003	-0.003	-0.065	-0.058	-0.062	-0.064	-0.058	-0.053
7.18	.832	-0.011	-0.010	-0.009	-0.012	-0.009	-0.008	-0.050	-0.051	-0.050	-0.053	-0.054	-0.054
5.56	.870	-0.019	-0.015	-0.015	-0.020	-0.015	-0.015	-0.037	-0.040	-0.039	-0.053	-0.049	-0.050
3.93	.908	-0.027	-0.023	-0.023	-0.028	-0.024	-0.023	-0.027	-0.027	-0.027	-0.047	-0.047	-0.047
2.35	.945	-0.048	-0.043	-0.043	-0.048	-0.043	-0.044	-0.026	-0.029	-0.024	-0.041	-0.039	-0.043
1.54	.964	-0.062	-0.063	-0.063	-0.062	-0.063	-0.064	-0.021	-0.017	-0.018	-0.027	-0.022	-0.029
.73	.983	-0.099	-0.092	-0.094	-0.099	-0.094	-0.094	-0.018	-0.014	-0.012	-0.029	-0.043	-0.046
.30	.993	-0.131	-0.129	-0.125	-0.139	-0.134	-0.126	-0.066	-0.065	-0.064	-0.064	-0.062	-0.030
.17	.996	-0.160	-0.157	-0.151	-0.168	-0.165	-0.157	-0.117	-0.117	-0.102	-0.055	-0.052	-0.034
		$P_{t,1}/P_\infty = 7.01$			$P_{t,1}/P_\infty = 6.99$			$P_{t,1}/P_\infty = 7.01$			$P_{t,1}/P_\infty = 6.98$		
12.01	.719	-0.013	-0.008	0.002	-0.009	0.000	0.011	-0.099	-0.095	-0.085	-0.051	-0.047	-0.039
10.39	.757	-0.011	-0.009	-0.005	-0.004	-0.002	0.003	-0.078	-0.078	-0.076	-0.056	-0.054	-0.049
8.76	.795	-0.014	-0.009	-0.012	-0.009	-0.003	-0.002	-0.066	-0.058	-0.062	-0.063	-0.056	-0.051
7.18	.832	-0.017	-0.015	-0.013	-0.012	-0.010	-0.009	-0.052	-0.050	-0.051	-0.055	-0.052	-0.054
5.56	.870	-0.025	-0.021	-0.022	-0.020	-0.016	-0.016	-0.037	-0.039	-0.039	-0.051	-0.049	-0.049
3.93	.908	-0.036	-0.030	-0.031	-0.030	-0.026	-0.026	-0.025	-0.027	-0.027	-0.047	-0.047	-0.049
2.35	.945	-0.057	-0.053	-0.050	-0.050	-0.047	-0.048	-0.021	-0.024	-0.024	-0.040	-0.034	-0.034
1.54	.964	-0.074	-0.074	-0.076	-0.065	-0.070	-0.068	-0.020	-0.016	-0.018	-0.029	-0.024	-0.022
.73	.983	-0.117	-0.114	-0.114	-0.108	-0.105	-0.109	-0.060	-0.016	-0.015	-0.040	-0.040	-0.048
.30	.993	-0.158	-0.159	-0.154	-0.151	-0.151	-0.143	-0.072	-0.071	-0.060	-0.064	-0.061	-0.012
.17	.996	-0.198	-0.192	-0.187	-0.191	-0.189	-0.183	-0.128	-0.129	-0.112	-0.054	-0.052	-0.033
		$P_{t,1}/P_\infty = 9.01$			$P_{t,1}/P_\infty = 8.99$			$P_{t,1}/P_\infty = 8.99$			$P_{t,1}/P_\infty = 8.96$		
12.01	.719	-0.011	-0.005	0.006	-0.006	0.000	0.011	-0.101	-0.094	-0.089	-0.053	-0.050	-0.042
10.39	.757	-0.009	-0.006	0.002	-0.005	0.003	0.002	-0.080	-0.080	-0.078	-0.058	-0.056	-0.051
8.76	.795	-0.012	-0.007	-0.009	-0.009	-0.003	-0.006	-0.068	-0.061	-0.065	-0.060	-0.058	-0.053
7.18	.832	-0.015	-0.013	-0.012	-0.012	-0.011	-0.010	-0.053	-0.051	-0.050	-0.054	-0.054	-0.055
5.56	.870	-0.023	-0.019	-0.019	-0.021	-0.017	-0.018	-0.034	-0.037	-0.036	-0.044	-0.050	-0.051
3.93	.908	-0.034	-0.030	-0.029	-0.031	-0.027	-0.026	-0.026	-0.026	-0.026	-0.047	-0.049	-0.054
2.35	.945	-0.059	-0.053	-0.053	-0.053	-0.050	-0.050	-0.030	-0.033	-0.033	-0.050	-0.049	-0.053
1.54	.964	-0.079	-0.083	-0.081	-0.070	-0.074	-0.073	-0.020	-0.016	-0.017	-0.029	-0.030	-0.028
.73	.983	-0.130	-0.126	-0.125	-0.117	-0.113	-0.112	-0.025	-0.018	-0.019	-0.037	-0.043	-0.044
.30	.993	-0.182	-0.182	-0.174	-0.169	-0.169	-0.159	-0.076	-0.075	-0.063	-0.067	-0.064	-0.028
.17	.996	-0.229	-0.229	-0.217	-0.217	-0.216	-0.205	-0.136	-0.137	-0.117	-0.057	-0.055	-0.057
		$P_{t,1}/P_\infty = 11.01$			$P_{t,1}/P_\infty = 10.91$			$P_{t,1}/P_\infty = 11.01$			$P_{t,1}/P_\infty = 10.91$		
12.01	.719							-0.101	-0.094	-0.085	-0.054	-0.051	-0.042
10.39	.757							-0.080	-0.080	-0.076	-0.058	-0.057	-0.051
8.76	.795							-0.067	-0.060	-0.064	-0.065	-0.058	-0.053
7.18	.832							-0.059	-0.059	-0.058	-0.055	-0.053	-0.053
5.56	.870							-0.049	-0.048	-0.047	-0.054	-0.050	-0.050
3.93	.908							-0.042	-0.044	-0.046	-0.043	-0.034	-0.027
2.35	.945							-0.030	-0.033	-0.032	-0.028	-0.026	-0.026
1.54	.964							-0.019	-0.014	-0.017	-0.021	-0.025	-0.025
.73	.983							-0.025	-0.019	-0.017	-0.031	-0.041	-0.041
.30	.993							-0.078	-0.078	-0.064	-0.069	-0.066	-0.066
.17	.996							-0.139	-0.141	-0.120	-0.079	-0.077	-0.077



TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(1) Afterbody XI

$t_j = \text{Cold}$

$\frac{x}{d_j}$	$\frac{x}{l_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 1.05$			$P_{t,j}/P_\infty = 1.04$			$P_{t,j}/P_\infty = 1.10$			$P_{t,j}/P_\infty = 1.05$		
12.01	0.719	-----	-0.067	-0.067	-----	-0.064	-0.059	-----	-0.100	-0.096	-----	-0.100	-0.092
10.59	.757	-0.314	-0.317	-0.299	-0.345	-0.375	-0.355	-0.270	-0.279	-0.261	-0.180	-0.190	-0.170
8.76	.795	-0.065	-0.065	-0.062	-0.065	-0.065	-0.060	-0.324	-0.310	-0.300	-0.252	-0.242	-0.242
7.18	.832	-0.010	-0.012	-0.013	-0.004	-0.004	-0.006	-0.217	-0.210	-0.217	-0.189	-0.186	-0.189
5.56	.870	-0.024	-0.025	-0.029	-0.031	-0.033	-0.032	-0.005	-0.005	-0.004	-0.125	-0.122	-0.121
3.93	.908	-0.048	-0.048	-0.056	-0.056	-0.051	-0.048	-1.068	-1.066	-1.066	-0.953	-0.940	-0.948
2.35	.945	-0.051	-0.050	-0.049	-0.060	-0.056	-0.056	-1.374	-1.331	-1.335	-0.999	-0.974	-0.996
1.54	.964	-0.059	-0.059	-0.060	-0.069	-0.069	-0.066	-1.442	-1.411	-1.415	-1.041	-1.051	-1.051
.75	.983	-0.059	-0.054	-0.055	-0.069	-0.064	-0.064	-1.442	-1.359	-1.340	-0.981	-0.977	-0.979
.50	.993	-0.059	-0.054	-0.057	-0.069	-0.064	-0.064	-1.442	-1.358	-1.340	-0.981	-0.981	-0.981
.17	.996	-0.058	-0.060	-0.053	-0.064	-0.069	-0.060	-1.440	-1.341	-1.336	-0.981	-0.982	-0.986
12.01	.719	-----	-0.071	-0.067	-----	-0.054	-0.052	-----	-0.098	-0.095	-----	-0.095	-0.053
10.59	.757	-0.315	-0.318	-0.299	-0.372	-0.376	-0.354	-0.269	-0.278	-0.261	-0.185	-0.189	-0.169
8.76	.795	-0.067	-0.069	-0.065	-0.067	-0.066	-0.062	-0.313	-0.309	-0.300	-0.261	-0.249	-0.242
7.18	.832	-0.011	-0.012	-0.014	-0.005	-0.005	-0.007	-0.212	-0.210	-0.214	-0.189	-0.186	-0.188
5.56	.870	-0.022	-0.025	-0.024	-0.022	-0.022	-0.026	-0.019	-0.020	-0.020	-0.124	-0.121	-0.120
3.93	.908	-0.049	-0.044	-0.041	-0.060	-0.054	-0.051	-1.115	-1.115	-1.125	-0.956	-0.945	-0.945
2.35	.945	-0.044	-0.045	-0.049	-0.067	-0.066	-0.062	-1.144	-1.142	-1.144	-1.024	-0.988	-0.988
1.54	.964	-0.048	-0.046	-0.044	-0.067	-0.064	-0.064	-1.144	-1.142	-1.144	-1.024	-0.988	-0.988
.75	.983	-0.048	-0.046	-0.044	-0.067	-0.064	-0.064	-1.144	-1.142	-1.144	-1.024	-0.988	-0.988
.50	.993	-0.048	-0.046	-0.044	-0.067	-0.064	-0.064	-1.144	-1.142	-1.144	-1.024	-0.988	-0.988
.17	.996	-0.040	-0.058	-0.052	-0.079	-0.073	-0.075	-1.150	-1.156	-1.159	-0.999	-0.992	-0.994
12.01	.719	-----	-0.069	-0.068	-----	-0.064	-0.059	-----	-0.099	-0.094	-----	-0.092	-0.051
10.59	.757	-0.314	-0.316	-0.300	-0.344	-0.373	-0.357	-0.265	-0.277	-0.260	-0.185	-0.189	-0.168
8.76	.795	-0.066	-0.069	-0.061	-0.059	-0.054	-0.055	-0.312	-0.309	-0.299	-0.250	-0.248	-0.241
7.18	.832	-0.010	-0.010	-0.014	-0.003	-0.003	-0.005	-0.214	-0.212	-0.215	-0.190	-0.187	-0.189
5.56	.870	-0.025	-0.025	-0.025	-0.024	-0.024	-0.029	-0.010	-0.011	-0.011	-0.125	-0.122	-0.121
3.93	.908	-0.051	-0.045	-0.048	-0.060	-0.055	-0.052	-1.116	-1.112	-1.112	-0.941	-0.947	-0.949
2.35	.945	-0.051	-0.054	-0.054	-0.066	-0.065	-0.064	-1.144	-1.142	-1.145	-0.986	-0.982	-0.984
1.54	.964	-0.055	-0.054	-0.059	-0.076	-0.070	-0.076	-1.154	-1.154	-1.155	-1.025	-1.015	-1.016
.75	.983	-0.054	-0.053	-0.054	-0.079	-0.073	-0.076	-1.159	-1.155	-1.156	-1.025	-1.011	-1.013
.50	.993	-0.057	-0.059	-0.062	-0.082	-0.075	-0.077	-1.160	-1.155	-1.158	-1.025	-1.006	-1.008
.17	.996	-0.059	-0.059	-0.054	-0.076	-0.075	-0.069	-1.157	-1.156	-1.152	-1.000	-0.998	-0.995
12.01	.719	-----	-0.068	-0.067	-----	-0.061	-0.058	-----	-1.000	-0.997	-----	-0.996	-0.053
10.59	.757	-0.314	-0.318	-0.299	-0.366	-0.374	-0.359	-0.269	-0.278	-0.261	-0.184	-0.189	-0.167
8.76	.795	-0.066	-0.065	-0.062	-0.064	-0.064	-0.062	-0.313	-0.309	-0.300	-0.250	-0.245	-0.241
7.18	.832	-0.010	-0.010	-0.013	-0.000	-0.000	-0.004	-0.214	-0.211	-0.215	-0.189	-0.186	-0.188
5.56	.870	-0.025	-0.026	-0.026	-0.026	-0.027	-0.026	-0.011	-0.015	-0.015	-0.124	-0.121	-0.120
3.93	.908	-0.051	-0.045	-0.045	-0.065	-0.057	-0.054	-1.119	-1.115	-1.115	-0.959	-0.942	-0.942
2.35	.945	-0.051	-0.051	-0.051	-0.072	-0.069	-0.069	-1.148	-1.146	-1.146	-1.027	-1.023	-1.024
1.54	.964	-0.054	-0.053	-0.054	-0.072	-0.069	-0.069	-1.160	-1.158	-1.160	-1.025	-1.011	-1.013
.75	.983	-0.055	-0.054	-0.054	-0.072	-0.069	-0.069	-1.160	-1.158	-1.160	-1.025	-1.011	-1.013
.50	.993	-0.059	-0.054	-0.058	-0.097	-0.092	-0.095	-1.174	-1.169	-1.166	-1.024	-1.015	-1.019
.17	.996	-0.050	-0.064	-0.064	-1.09	-1.08	-1.01	-1.173	-1.173	-1.168	-1.024	-1.023	-1.025
12.01	.719	-----	-0.068	-0.066	-----	-0.062	-0.060	-----	-0.999	-0.996	-----	-0.993	-0.053
10.59	.757	-0.314	-0.318	-0.297	-0.367	-0.376	-0.356	-0.269	-0.276	-0.261	-0.182	-0.188	-0.168
8.76	.795	-0.065	-0.065	-0.061	-0.059	-0.054	-0.054	-0.315	-0.309	-0.299	-0.249	-0.247	-0.240
7.18	.832	-0.010	-0.009	-0.014	-0.000	-0.001	-0.006	-0.213	-0.210	-0.214	-0.190	-0.187	-0.189
5.56	.870	-0.025	-0.025	-0.025	-0.024	-0.027	-0.025	-0.021	-0.022	-0.022	-0.124	-0.122	-0.121
3.93	.908	-0.051	-0.047	-0.045	-0.065	-0.057	-0.055	-1.122	-1.119	-1.118	-0.959	-0.946	-0.948
2.35	.945	-0.054	-0.050	-0.050	-0.076	-0.072	-0.075	-1.157	-1.151	-1.151	-1.010	-1.009	-1.006
1.54	.964	-0.056	-0.056	-0.056	-0.092	-0.091	-0.091	-1.170	-1.169	-1.170	-1.010	-1.011	-1.011
.75	.983	-0.051	-0.055	-0.057	-1.111	-1.106	-1.106	-1.184	-1.180	-1.181	-1.060	-1.056	-1.056
.50	.993	-1.05	-0.97	-1.00	-1.30	-1.21	-1.24	-1.59	-1.59	-1.58	-1.72	-1.69	-1.70
.17	.996	-1.07	-1.06	-1.00	-1.36	-1.33	-1.27	-1.56	-1.55	-1.55	-1.75	-1.76	-1.74
12.01	.719	-----	-0.064	-0.061	-----	-0.054	-0.051	-----	-0.999	-0.996	-----	-0.993	-0.051
10.59	.757	-0.314	-0.318	-0.297	-0.367	-0.376	-0.356	-0.269	-0.276	-0.261	-0.182	-0.188	-0.168
8.76	.795	-0.065	-0.065	-0.061	-0.059	-0.054	-0.054	-0.315	-0.309	-0.299	-0.249	-0.247	-0.240
7.18	.832	-0.010	-0.009	-0.014	-0.000	-0.001	-0.006	-0.213	-0.210	-0.214	-0.190	-0.187	-0.189
5.56	.870	-0.025	-0.025	-0.025	-0.024	-0.027	-0.025	-0.021	-0.022	-0.022	-0.124	-0.122	-0.121
3.93	.908	-0.051	-0.047	-0.045	-0.065	-0.057	-0.055	-1.122	-1.119	-1.118	-0.959	-0.946	-0.948
2.35	.945	-0.054	-0.050	-0.050	-0.076	-0.072	-0.075	-1.157	-1.151	-1.151	-1.010	-1.009	-1.006
1.54	.964	-0.056	-0.056	-0.056	-0.092	-0.091	-0.091	-1.170	-1.169	-1.170	-1.010	-1.011	-1.011
.75	.983	-0.051	-0.055	-0.057	-1.111	-1.106	-1.106	-1.184	-1.180	-1.181	-1.060	-1.056	-1.056
.50	.993	-1.05	-0.97	-1.00	-1.30	-1.21	-1.24	-1.59	-1.59	-1.58	-1.72	-1.69	-1.70
.17	.996	-1.07	-1.06	-1.00	-1.36	-1.33	-1.27	-1.56	-1.55	-1.55	-1.75	-1.76	-1.74
12.01	.719	-----	-0.064	-0.061	-----	-0.054	-0.051	-----	-0.999	-0.996	-----	-0.993	-0.051
10.59	.757	-0.314	-0.318	-0.297	-0.367	-0.376	-0.356	-0.269	-0.276	-0.261	-0.182	-0.188	-0.168
8.76	.795	-0.065	-0.065	-0.061	-0.059	-0.054	-0.054	-0.315	-0.309	-0.299	-0.249	-0.247	-0.240
7.18	.832	-0.010	-0.009	-0.014	-0.000	-0.001	-0.006	-0.213	-0.210	-0.214	-0.190	-0.187	-0.189
5.56	.870	-0.025	-0.025	-0.025	-0.024	-0.027	-0.025	-0.021	-0.022	-0.022	-0.124	-0.122	-0.121
3.93	.908	-0.051	-0.047	-0.045	-0.065	-0.057	-0.055	-1.122	-1.119	-1.118	-0.959	-0.946	-0.948
2.35	.945	-0.054	-0.050	-0.050	-0.076	-0.072	-0.075	-1.157	-1.151	-1.151	-1.010	-1.009	-1.006
1.54	.964	-0.056	-0.056	-0.056	-0.092	-0.091	-0.091	-1.170	-1.169	-1.170	-1.010	-1.011	-1.011</

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(1) Afterbody XI - Concluded

 $t_j = 1,200^\circ F$

$\frac{x}{L_j}$	$\frac{x}{L_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 1.99$			$P_{t,j}/P_\infty = 1.98$			$P_{t,j}/P_\infty = 2.98$			$P_{t,j}/P_\infty = 1.99$		
12.01	0.719	-0.009	-0.070	-0.062	-0.064	-0.061	-0.061	-0.108	-0.095	-0.091	-0.091	-0.096	
10.59	.757	-0.115	-0.318	-0.297	-0.294	-0.297	-0.296	-0.272	-0.260	-0.262	-0.262	-0.267	
8.76	.795	-0.068	-0.064	-0.061	-0.057	-0.056	-0.059	-0.310	-0.311	-0.301	-0.291	-0.284	
7.18	.832	-0.011	-0.010	-0.015	-0.003	-0.005	-0.007	-0.208	-0.211	-0.215	-0.194	-0.189	
5.56	.870	.024	.024	.027	.035	.034	.034	.018	.018	.019	.027	.025	
3.93	.908	.021	.014	.042	.059	.053	.050	.117	.114	.114	.045	.055	
2.29	.945	.059	.056	.055	.067	.064	.064	.146	.144	.145	.069	.064	
1.54	.964	.070	.069	.069	.077	.076	.077	.157	.156	.158	.123	.122	
.73	.983	.075	.070	.072	.084	.079	.079	.165	.160	.162	.122	.117	
.50	.993	.080	.074	.075	.090	.084	.085	.167	.164	.166	.122	.119	
.17	.996	.079	.076	.072	.090	.089	.083	.167	.166	.164	.122	.117	
		$P_{t,j}/P_\infty = 2.97$			$P_{t,j}/P_\infty = 2.98$			$P_{t,j}/P_\infty = 3.00$			$P_{t,j}/P_\infty = 2.98$		
12.01	.719	-0.007	-0.069	-0.064	-0.068	-0.064	-0.066	-0.100	-0.096	-0.091	-0.091	-0.094	
10.59	.757	-0.114	-0.319	-0.296	-0.298	-0.298	-0.296	-0.270	-0.279	-0.261	-0.262	-0.265	
8.76	.795	-0.067	-0.064	-0.061	-0.065	-0.064	-0.065	-0.310	-0.310	-0.300	-0.289	-0.289	
7.18	.832	-0.011	-0.010	-0.013	-0.002	-0.003	-0.002	-0.212	-0.211	-0.214	-0.190	-0.185	
5.56	.870	.024	.023	.026	.033	.034	.034	.018	.019	.019	.024	.024	
3.93	.908	.022	.014	.042	.059	.053	.051	.118	.115	.114	.044	.046	
2.29	.945	.059	.059	.055	.067	.064	.064	.146	.145	.145	.069	.065	
1.54	.964	.070	.069	.069	.077	.076	.077	.157	.157	.159	.122	.122	
.73	.983	.075	.071	.072	.084	.079	.079	.165	.160	.162	.122	.117	
.50	.993	.080	.074	.075	.090	.084	.085	.167	.164	.166	.122	.119	
.17	.996	.068	.066	.061	.085	.081	.076	.166	.161	.159	.114	.112	
		$P_{t,j}/P_\infty = 4.98$			$P_{t,j}/P_\infty = 4.97$			$P_{t,j}/P_\infty = 4.97$			$P_{t,j}/P_\infty = 4.97$		
12.01	.719	-0.005	-0.068	-0.064	-0.061	-0.061	-0.055	-0.099	-0.095	-0.092	-0.092	-0.095	
10.59	.757	-0.114	-0.319	-0.296	-0.294	-0.295	-0.295	-0.270	-0.276	-0.261	-0.262	-0.266	
8.76	.795	-0.067	-0.064	-0.061	-0.065	-0.064	-0.065	-0.310	-0.310	-0.300	-0.289	-0.289	
7.18	.832	-0.011	-0.010	-0.012	-0.000	-0.000	-0.002	-0.206	-0.209	-0.214	-0.190	-0.186	
5.56	.870	.024	.024	.026	.036	.036	.037	.022	.026	.026	.024	.022	
3.93	.908	.023	.015	.045	.064	.057	.056	.121	.119	.116	.037	.045	
2.29	.945	.065	.058	.061	.074	.070	.071	.150	.146	.147	.104	.100	
1.54	.964	.075	.073	.073	.085	.084	.086	.162	.162	.162	.126	.127	
.73	.983	.084	.079	.083	.096	.094	.096	.171	.168	.169	.127	.124	
.50	.993	.091	.089	.091	.107	.102	.107	.176	.173	.174	.132	.129	
.17	.996	.092	.092	.090	.108	.109	.106	.176	.177	.173	.133	.133	
		$P_{t,j}/P_\infty = 6.99$			$P_{t,j}/P_\infty = 6.99$			$P_{t,j}/P_\infty = 6.98$			$P_{t,j}/P_\infty = 6.96$		
12.01	.719	-0.005	-0.068	-0.062	-0.060	-0.060	-0.055	-0.099	-0.094	-0.091	-0.091	-0.094	
10.59	.757	-0.113	-0.318	-0.296	-0.295	-0.296	-0.296	-0.271	-0.280	-0.266	-0.266	-0.270	
8.76	.795	-0.067	-0.061	-0.061	-0.063	-0.061	-0.060	-0.313	-0.311	-0.301	-0.290	-0.286	
7.18	.832	-0.010	-0.009	-0.012	-0.001	-0.001	-0.002	-0.207	-0.204	-0.210	-0.190	-0.186	
5.56	.870	.022	.027	.028	.038	.038	.040	.024	.029	.025	.024	.022	
3.93	.908	.026	.017	.046	.068	.061	.059	.125	.123	.122	.031	.032	
2.29	.945	.068	.066	.066	.080	.077	.078	.156	.154	.154	.116	.111	
1.54	.964	.086	.084	.085	.097	.097	.098	.170	.170	.171	.141	.140	
.73	.983	.105	.100	.102	.119	.114	.118	.184	.182	.184	.156	.155	
.50	.993	.122	.119	.124	.136	.135	.138	.195	.195	.196	.170	.168	
.17	.996	.129	.129	.128	.146	.146	.144	.198	.200	.198	.176	.173	
		$P_{t,j}/P_\infty = 9.00$			$P_{t,j}/P_\infty = 8.99$			$P_{t,j}/P_\infty = 8.96$			$P_{t,j}/P_\infty = 8.96$		
12.01	.719	-0.007	-0.067	-0.061	-0.066	-0.063	-0.057	-0.100	-0.096	-0.090	-0.090	-0.094	
10.59	.757	-0.113	-0.317	-0.295	-0.296	-0.296	-0.295	-0.271	-0.280	-0.266	-0.266	-0.270	
8.76	.795	-0.065	-0.061	-0.061	-0.065	-0.063	-0.062	-0.314	-0.311	-0.301	-0.290	-0.286	
7.18	.832	-0.009	-0.006	-0.012	-0.001	-0.000	-0.003	-0.209	-0.209	-0.209	-0.182	-0.186	
5.56	.870	.028	.028	.029	.037	.037	.038	.028	.034	.033	.024	.022	
3.93	.908	.029	.022	.051	.067	.061	.060	.150	.147	.146	.070	.078	
2.29	.945	.076	.073	.073	.087	.082	.083	.164	.162	.165	.123	.122	
1.54	.964	.097	.096	.098	.109	.108	.109	.185	.182	.184	.161	.160	
.73	.983	.125	.121	.125	.139	.139	.138	.202	.201	.205	.187	.184	
.50	.993	.151	.149	.154	.165	.162	.167	.216	.217	.220	.202	.203	
.17	.996	.162	.163	.164	.179	.179	.175	.220	.222	.224	.209	.210	
		$P_{t,j}/P_\infty = 10.96$			$P_{t,j}/P_\infty = 10.97$			$P_{t,j}/P_\infty = 10.96$			$P_{t,j}/P_\infty = 10.97$		
12.01	.719	-0.007	-0.067	-0.061	-0.066	-0.063	-0.057	-0.100	-0.096	-0.090	-0.090	-0.094	
10.59	.757	-0.113	-0.317	-0.295	-0.296	-0.296	-0.295	-0.271	-0.280	-0.266	-0.266	-0.270	
8.76	.795	-0.065	-0.061	-0.061	-0.065	-0.063	-0.062	-0.314	-0.311	-0.301	-0.290	-0.286	
7.18	.832	-0.009	-0.006	-0.012	-0.001	-0.000	-0.003	-0.209	-0.209	-0.209	-0.182	-0.186	
5.56	.870	.028	.028	.029	.037	.037	.038	.028	.034	.033	.024	.022	
3.93	.908	.029	.022	.051	.067	.061	.060	.150	.147	.146	.070	.078	
2.29	.945	.076	.073	.073	.087	.082	.083	.164	.162	.165	.123	.122	
1.54	.964	.097	.096	.098	.109	.108	.109	.185	.182	.184	.161	.160	
.73	.983	.125	.121	.125	.139	.139	.138	.202	.201	.205	.187	.184	
.50	.993	.151	.149	.154	.165	.162	.167	.216	.217	.220	.202	.203	
.17	.996	.162	.163	.164	.179	.179	.175	.220	.222	.224	.209	.210	

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(a) Afterbody XII

$t_1 = \text{Cold}$

$\frac{x}{d}$	$\frac{x}{\text{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,1}/P_\infty = 1.04$			$P_{t,1}/P_\infty = 1.06$			$P_{t,1}/P_\infty = 1.10$			$P_{t,1}/P_\infty = 0.99$		
12.01	0.719	-0.016	-0.010	0.004	-0.009	-0.005	0.012	-0.097	-0.091	-0.075	-0.059	-0.056	-0.054
10.39	.757	-.027	-.019	-.016	-.025	-.014	-.011	-.086	-.077	-.076	-.064	-.052	-.052
8.76	.799	-.027	-.031	-.027	-.028	-.027	-.025	-.066	-.070	-.067	-.059	-.063	-.061
7.18	.832	-.058	-.056	-.050	-.059	-.055	-.049	-.075	-.068	-.062	-.059	-.058	-.054
5.56	.870	-.115	-.110	-.109	-.125	-.123	-.122	-.110	-.109	-.100	-.082	-.078	-.076
3.95	.908	-.178	-.181	-.180	-.227	-.229	-.225	-.250	-.253	-.232	-.202	-.207	-.205
2.35	.945	-.192	-.146	-.149	-.177	-.171	-.174	-.267	-.253	-.261	-.208	-.249	-.239
1.74	.964	-.087	-.087	-.092	-.090	-.090	-.095	-.094	-.087	-.089	-.169	-.154	-.142
.73	.983	-.002	-.004	-.007	-.011	-.008	-.005	-.022	-.019	-.019	-.208	-.195	-.188
.30	.993	-.021	-.045	-.045	-.055	-.050	-.049	-.120	-.118	-.112	-.099	-.102	-.099
.17	.996	-.058	-.069	-.064	-.083	-.080	-.080	-.132	-.131	-.131	-.051	-.056	-.053
		$P_{t,1}/P_\infty = 2.00$			$P_{t,1}/P_\infty = 2.00$			$P_{t,1}/P_\infty = 2.00$			$P_{t,1}/P_\infty = 2.00$		
12.01	.719	-.016	-.007	.005	-.010	-.001	.012	-.100	-.090	-.076	-.057	-.052	-.052
10.39	.757	-.026	-.019	-.016	-.022	-.014	-.011	-.095	-.078	-.077	-.059	-.048	-.048
8.76	.799	-.027	-.033	-.028	-.023	-.027	-.025	-.066	-.070	-.067	-.054	-.059	-.057
7.18	.832	-.097	-.096	-.091	-.097	-.095	-.049	-.071	-.067	-.061	-.056	-.054	-.049
5.56	.870	-.114	-.109	-.111	-.126	-.122	-.123	-.107	-.100	-.100	-.080	-.074	-.072
3.95	.908	-.179	-.180	-.182	-.227	-.230	-.230	-.248	-.251	-.253	-.202	-.207	-.206
2.35	.945	-.155	-.149	-.152	-.179	-.172	-.174	-.263	-.250	-.259	-.202	-.250	-.250
1.74	.964	-.095	-.091	-.097	-.098	-.098	-.098	-.074	-.075	-.076	-.152	-.200	-.243
.73	.983	-.014	-.015	-.018	-.021	-.021	-.025	-.052	-.052	-.050	-.214	-.199	-.192
.30	.993	-.073	-.028	-.026	-.075	-.049	-.048	-.124	-.121	-.119	-.128	-.129	-.119
.17	.996	-.048	-.044	-.043	-.071	-.068	-.068	-.135	-.133	-.134	-.082	-.085	-.079
		$P_{t,1}/P_\infty = 3.00$			$P_{t,1}/P_\infty = 2.98$			$P_{t,1}/P_\infty = 2.98$			$P_{t,1}/P_\infty = 2.99$		
12.01	.719	-.015	-.005	.005	-.011	-.001	.011	-.101	-.090	-.076	-.058	-.051	-.051
10.39	.757	-.024	-.018	-.015	-.023	-.015	-.012	-.086	-.078	-.077	-.061	-.047	-.049
8.76	.799	-.026	-.029	-.027	-.024	-.028	-.025	-.067	-.069	-.067	-.056	-.060	-.058
7.18	.832	-.097	-.094	-.049	-.099	-.097	-.090	-.071	-.067	-.061	-.058	-.056	-.049
5.56	.870	-.114	-.108	-.110	-.130	-.124	-.125	-.101	-.101	-.092	-.082	-.073	-.072
3.95	.908	-.179	-.179	-.181	-.229	-.231	-.231	-.249	-.252	-.254	-.202	-.207	-.206
2.35	.945	-.197	-.150	-.153	-.183	-.176	-.179	-.266	-.262	-.262	-.208	-.253	-.259
1.74	.964	-.095	-.094	-.099	-.099	-.098	-.105	-.095	-.096	-.098	-.144	-.208	-.250
.73	.983	-.020	-.021	-.023	-.025	-.023	-.023	-.076	-.074	-.075	-.211	-.195	-.195
.30	.993	-.025	-.020	-.018	-.044	-.040	-.038	-.116	-.113	-.113	-.138	-.136	-.126
.17	.996	-.059	-.034	-.034	-.061	-.057	-.057	-.126	-.126	-.126	-.056	-.057	-.050
		$P_{t,1}/P_\infty = 4.99$			$P_{t,1}/P_\infty = 4.96$			$P_{t,1}/P_\infty = 4.98$			$P_{t,1}/P_\infty = 4.99$		
12.01	.719	-.015	-.006	.004	-.009	-.000	.012	-.102	-.092	-.076	-.060	-.052	-.051
10.39	.757	-.024	-.018	-.015	-.021	-.014	-.011	-.087	-.078	-.077	-.062	-.048	-.048
8.76	.799	-.026	-.029	-.027	-.023	-.027	-.025	-.068	-.071	-.068	-.057	-.059	-.056
7.18	.832	-.096	-.095	-.049	-.098	-.097	-.049	-.071	-.068	-.061	-.058	-.053	-.048
5.56	.870	-.114	-.109	-.110	-.129	-.122	-.123	-.108	-.101	-.100	-.082	-.072	-.070
3.95	.908	-.180	-.182	-.182	-.229	-.231	-.231	-.249	-.252	-.254	-.202	-.207	-.206
2.35	.945	-.199	-.152	-.155	-.185	-.178	-.180	-.268	-.267	-.267	-.208	-.244	-.257
1.74	.964	-.100	-.100	-.104	-.105	-.102	-.107	-.108	-.107	-.106	-.174	-.188	-.237
.73	.983	-.051	-.055	-.056	-.053	-.057	-.050	-.068	-.065	-.065	-.124	-.121	-.110
.30	.993	-.045	-.040	-.040	-.049	-.044	-.043	-.109	-.106	-.106	-.129	-.126	-.115
.17	.996	-.015	-.010	-.010	-.042	-.038	-.038	-.120	-.119	-.119	-.154	-.157	-.153
		$P_{t,1}/P_\infty = 5.82 \text{ (max.)}$			$P_{t,1}/P_\infty = 6.51 \text{ (max.)}$			$P_{t,1}/P_\infty = 6.94$			$P_{t,1}/P_\infty = 6.96$		
12.01	.719	-.016	-.006	.004	-.012	-.002	.010	-.102	-.092	-.077	-.057	-.052	-.052
10.39	.757	-.025	-.019	-.017	-.024	-.016	-.014	-.087	-.079	-.077	-.059	-.048	-.049
8.76	.799	-.026	-.029	-.027	-.023	-.027	-.025	-.067	-.071	-.068	-.054	-.059	-.056
7.18	.832	-.097	-.096	-.050	-.096	-.092	-.092	-.071	-.067	-.061	-.055	-.053	-.048
5.56	.870	-.114	-.110	-.111	-.130	-.125	-.125	-.108	-.101	-.100	-.082	-.072	-.070
3.95	.908	-.181	-.181	-.184	-.229	-.233	-.233	-.248	-.251	-.254	-.202	-.207	-.206
2.35	.945	-.161	-.154	-.156	-.183	-.180	-.183	-.256	-.253	-.253	-.204	-.244	-.250
1.74	.964	-.103	-.101	-.106	-.107	-.107	-.111	-.126	-.122	-.121	-.175	-.188	-.237
.73	.983	-.035	-.036	-.040	-.024	-.026	-.028	-.098	-.095	-.095	-.237	-.225	-.214
.30	.993	-.040	-.045	-.046	-.017	-.012	-.012	-.140	-.136	-.136	-.248	-.204	-.194
.17	.996	-.048	-.045	-.042	-.027	-.023	-.023	-.110	-.108	-.109	-.187	-.191	-.189

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(a) Afterbody XII - Concluded

$t_j = 1,200^\circ F$

$\frac{x}{d_j}$	$\frac{x}{L_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 2.00$			$P_{t,j}/P_\infty = 1.98$			$P_{t,j}/P_\infty = 2.09$			$P_{t,j}/P_\infty = 2.05$		
12.01	0.719	-0.014	-0.009	0.007	-0.012	-0.006	0.010	-0.098	-0.091	-0.074	-0.051	-0.048	-0.027
10.39	.797	-.024	-.017	-.014	-.024	-.016	-.012	-.084	-.078	-.076	-.050	-.048	-.047
8.76	.795	-.025	-.023	-.024	-.026	-.029	-.026	-.066	-.059	-.066	-.057	-.061	-.059
7.18	.832	-.029	-.024	-.047	-.050	-.057	-.051	-.071	-.067	-.060	-.059	-.057	-.050
5.56	.870	-.110	-.108	-.107	-.131	-.127	-.129	-.109	-.104	-.100	-.093	-.076	-.074
5.95	.908	-.174	-.177	-.176	-.226	-.230	-.230	-.248	-.252	-.253	-.201	-.206	-.206
2.95	.945	-.147	-.143	-.146	-.173	-.170	-.172	-.249	-.244	-.251	-.206	-.261	-.263
1.54	.964	-.083	-.082	-.089	-.087	-.087	-.094	-.048	-.050	-.048	-.149	-.231	-.239
.75	.985	-.001	-.004	-.007	-.010	-.007	-.004	-.034	-.033	-.038	-.172	-.157	-.165
.30	.995	-.045	-.041	-.040	-.041	-.047	-.045	-.138	-.126	-.129	-.082	-.079	-.071
.17	.996	.061	.057	.058	.076	.075	.075	.140	.138	.139	-.044	-.042	-.036
		$P_{t,j}/P_\infty = 3.00$			$P_{t,j}/P_\infty = 3.01$			$P_{t,j}/P_\infty = 2.97$			$P_{t,j}/P_\infty = 3.02$		
12.01	.719	-.016	-.010	.005	-.009	-.004	.011	-.078	-.091	-.074	-.050	-.048	-.027
10.39	.797	-.026	-.018	-.015	-.022	-.014	-.011	-.084	-.079	-.077	-.050	-.048	-.047
8.76	.795	-.027	-.020	-.022	-.024	-.027	-.022	-.067	-.063	-.067	-.057	-.061	-.056
7.18	.832	-.026	-.024	-.049	-.028	-.025	-.049	-.071	-.067	-.061	-.059	-.056	-.051
5.56	.870	-.113	-.110	-.109	-.127	-.125	-.123	-.109	-.105	-.105	-.085	-.075	-.074
5.95	.908	-.175	-.180	-.180	-.225	-.227	-.228	-.248	-.252	-.259	-.201	-.204	-.207
2.95	.945	-.150	-.145	-.149	-.178	-.170	-.172	-.252	-.247	-.257	-.207	-.263	-.265
1.54	.964	-.089	-.088	-.088	-.088	-.089	-.094	-.040	-.040	-.042	-.151	-.233	-.241
.75	.985	-.009	-.012	-.013	.006	.003	-.000	.065	.081	.081	-.177	-.164	-.175
.30	.995	.045	.030	.028	.055	.050	.044	.121	.119	.118	-.097	-.095	-.087
.17	.996	.050	.044	.047	.072	.068	.067	.132	.131	.131	-.059	-.058	-.053
		$P_{t,j}/P_\infty = 5.00$			$P_{t,j}/P_\infty = 5.00$			$P_{t,j}/P_\infty = 4.96$			$P_{t,j}/P_\infty = 5.00$		
12.01	.719	-.015	-.012	.002	-.010	-.006	.015	-.078	-.090	-.075	-.053	-.050	-.027
10.39	.797	-.026	-.018	-.015	-.022	-.015	-.012	-.084	-.077	-.075	-.052	-.048	-.046
8.76	.795	-.027	-.021	-.026	-.026	-.027	-.022	-.064	-.064	-.064	-.057	-.062	-.056
7.18	.832	-.028	-.025	-.021	-.029	-.027	-.021	-.071	-.067	-.061	-.059	-.056	-.052
5.56	.870	-.115	-.112	-.109	-.129	-.125	-.124	-.109	-.105	-.100	-.094	-.076	-.074
5.95	.908	-.178	-.181	-.180	-.227	-.229	-.229	-.248	-.252	-.254	-.202	-.206	-.206
2.95	.945	-.150	-.152	-.152	-.180	-.174	-.176	-.261	-.252	-.260	-.209	-.226	-.226
1.54	.964	-.095	-.094	-.100	-.097	-.099	-.102	-.038	-.030	-.030	-.145	-.220	-.223
.75	.985	-.022	-.024	-.028	-.026	-.010	-.012	.078	.072	.072	-.201	-.184	-.188
.30	.995	.017	.012	.010	.039	.034	.032	.110	.109	.109	-.138	-.125	-.129
.17	.996	.028	.023	.024	.051	.049	.049	.122	.122	.123	-.105	-.103	-.095
		$P_{t,j}/P_\infty = 0.99$			$P_{t,j}/P_\infty = 7.05$			$P_{t,j}/P_\infty = 6.98$			$P_{t,j}/P_\infty = 7.02$		
12.01	.719	-.015	-.012	.009	-.010	-.005	.011	-.077	-.092	-.075	-.053	-.050	-.028
10.39	.797	-.026	-.019	-.016	-.023	-.014	-.012	-.084	-.077	-.075	-.052	-.049	-.048
8.76	.795	-.029	-.021	-.029	-.026	-.028	-.022	-.064	-.069	-.067	-.058	-.062	-.056
7.18	.832	-.028	-.025	-.024	-.029	-.026	-.020	-.071	-.068	-.061	-.058	-.057	-.050
5.56	.870	-.115	-.112	-.110	-.129	-.126	-.124	-.110	-.105	-.101	-.094	-.076	-.074
5.95	.908	-.179	-.181	-.181	-.226	-.229	-.229	-.248	-.252	-.254	-.202	-.206	-.206
2.95	.945	-.150	-.151	-.153	-.179	-.175	-.176	-.265	-.252	-.261	-.208	-.224	-.226
1.54	.964	-.097	-.097	-.101	-.097	-.098	-.105	-.097	-.098	-.101	-.147	-.209	-.211
.75	.985	-.022	-.029	-.030	-.025	-.014	-.017	.068	.067	.067	-.214	-.198	-.196
.30	.995	.009	.005	.004	.030	.026	.022	.109	.104	.105	-.168	-.165	-.155
.17	.996	.017	.014	.015	.042	.038	.033	.116	.116	.118	-.142	-.142	-.135
		$P_{t,j}/P_\infty = 8.98$			$P_{t,j}/P_\infty = 9.00$			$P_{t,j}/P_\infty = 8.94$			$P_{t,j}/P_\infty = 8.98$		
12.01	.719	-.015	-.010	.009	-.010	-.005	.012	-.098	-.092	-.075	-.050	-.053	-.031
10.39	.797	-.026	-.016	-.014	-.022	-.015	-.010	-.087	-.079	-.077	-.064	-.051	-.050
8.76	.795	-.026	-.022	-.027	-.024	-.026	-.024	-.064	-.072	-.069	-.058	-.063	-.056
7.18	.832	-.026	-.024	-.048	-.024	-.025	-.049	-.073	-.069	-.063	-.059	-.057	-.052
5.56	.870	-.112	-.110	-.107	-.127	-.124	-.121	-.111	-.107	-.101	-.084	-.076	-.075
5.95	.908	-.175	-.176	-.179	-.224	-.227	-.227	-.250	-.254	-.255	-.202	-.206	-.205
2.95	.945	-.151	-.147	-.150	-.175	-.171	-.172	-.263	-.260	-.260	-.207	-.222	-.229
1.54	.964	-.093	-.090	-.092	-.093	-.095	-.100	-.086	-.086	-.086	-.150	-.199	-.205
.75	.985	-.020	-.021	-.024	-.026	-.029	-.010	.064	.064	.068	-.221	-.206	-.199
.30	.995	.015	.013	.015	.035	.031	.030	.109	.104	.104	-.177	-.174	-.161
.17	.996	.020	.021	.022	.046	.043	.045	.116	.116	.117	-.153	-.153	-.145
		$P_{t,j}/P_\infty = 10.96$						$P_{t,j}/P_\infty = 10.99$					
12.01	.719							-.099	-.092	-.075	-.058	-.054	-.032
10.39	.797							-.068	-.060	-.077	-.065	-.051	-.051
8.76	.795							-.069	-.071	-.069	-.060	-.065	-.061
7.18	.832							-.072	-.069	-.065	-.060	-.058	-.052
5.56	.870							-.112	-.107	-.102	-.084	-.076	-.076
5.95	.908							-.250	-.254	-.257	-.203	-.207	-.204
2.95	.945							-.360	-.360	-.361	-.286	-.289	-.298
1.54	.964							-.074	-.075	-.074	-.170	-.192	-.239
.75	.985							.071	.071	.071	-.226	-.210	-.199
.30	.995							.109	.107	.108	-.168	-.167	-.159
.17	.996							.119	.119	.120	-.137	-.138	-.130

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(n) Afterbody XIII

$t_1 = \text{Cold}$

$\frac{x}{d_j}$	$\frac{x}{t_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,1}/P_\infty = 1.02$			$P_{t,1}/P_\infty = 1.04$			$P_{t,1}/P_\infty = 1.05$			$P_{t,1}/P_\infty = 0.98$		
12.01	.719	-0.013	-0.010	-0.001	-0.007	-0.003	-0.007	-0.006	-0.001	-0.006	-0.006	-0.006	-0.006
10.39	.757	-0.021	-0.020	-0.016	-0.018	-0.015	-0.008	-0.009	-0.002	-0.008	-0.005	-0.007	-0.004
8.76	.795	-0.027	-0.025	-0.020	-0.020	-0.020	-0.006	-0.008	-0.007	-0.005	-0.004	-0.004	-0.006
7.18	.832	-0.041	-0.037	-0.037	-0.039	-0.033	-0.017	-0.016	-0.008	-0.008	-0.005	-0.005	-0.005
5.56	.870	-0.059	-0.070	-0.069	-0.074	-0.072	-0.072	-0.072	-0.056	-0.056	-0.034	-0.033	-0.032
3.95	.908	-0.150	-0.155	-0.156	-0.152	-0.154	-0.191	-0.198	-0.195	-0.162	-0.137	-0.139	-0.136
2.35	.945	-0.234	-0.240	-0.237	-0.217	-0.223	-0.259	-0.267	-0.260	-0.260	-0.127	-0.166	-0.187
1.74	.964	-0.187	-0.187	-0.197	-0.224	-0.227	-0.263	-0.268	-0.268	-0.268	-0.205	-0.205	-0.200
.73	.983	-0.069	-0.066	-0.072	-0.062	-0.062	-0.071	-0.056	-0.068	-0.074	-0.227	-0.206	-0.209
.50	.993	0.016	0.014	0.013	0.027	0.025	0.025	0.028	0.032	0.034	-0.200	-0.201	-0.201
.17	.996	0.036	0.039	0.036	0.051	0.048	0.047	0.054	0.054	0.057	-0.190	-0.189	-0.187
		$P_{t,1}/P_\infty = 2.01$			$P_{t,1}/P_\infty = 1.99$			$P_{t,1}/P_\infty = 2.00$			$P_{t,1}/P_\infty = 2.00$		
12.01	.719	-0.012	-0.009	-0.000	-0.006	-0.002	0.006	-0.026	-0.094	-0.084	-0.053	-0.051	-0.043
10.39	.757	-0.020	-0.019	-0.014	-0.017	-0.015	-0.007	-0.008	-0.008	-0.079	-0.051	-0.050	-0.048
8.76	.795	-0.026	-0.024	-0.020	-0.018	-0.019	-0.019	-0.009	-0.008	-0.054	-0.028	-0.031	-0.026
7.18	.832	-0.040	-0.035	-0.030	-0.032	-0.031	-0.031	-0.055	-0.051	-0.051	-0.034	-0.034	-0.034
5.56	.870	-0.067	-0.071	-0.070	-0.068	-0.070	-0.068	-0.092	-0.092	-0.091	-0.034	-0.032	-0.039
3.95	.908	-0.199	-0.197	-0.199	-0.187	-0.183	-0.186	-0.243	-0.248	-0.248	-0.144	-0.150	-0.156
2.35	.945	-0.238	-0.243	-0.241	-0.217	-0.208	-0.200	-0.271	-0.271	-0.264	-0.170	-0.158	-0.166
1.74	.964	-0.197	-0.198	-0.202	-0.223	-0.224	-0.242	-0.269	-0.279	-0.279	-0.159	-0.177	-0.187
.73	.983	-0.084	-0.085	-0.088	-0.071	-0.073	-0.078	-0.074	-0.096	-0.100	-0.222	-0.209	-0.209
.50	.993	-0.004	-0.007	-0.007	0.014	0.010	0.010	0.020	0.019	0.018	-0.220	-0.217	-0.204
.17	.996	0.017	0.017	0.014	0.029	0.033	0.034	0.040	0.044	0.044	-0.197	-0.194	-0.191
		$P_{t,1}/P_\infty = 3.00$			$P_{t,1}/P_\infty = 3.00$			$P_{t,1}/P_\infty = 2.98$			$P_{t,1}/P_\infty = 3.01$		
12.01	.719	-0.014	-0.009	-0.003	-0.007	-0.001	0.008	-0.036	-0.090	-0.082	-0.056	-0.052	-0.043
10.39	.757	-0.023	-0.019	-0.017	-0.014	-0.012	-0.009	-0.009	-0.008	-0.078	-0.052	-0.057	-0.055
8.76	.795	-0.026	-0.024	-0.023	-0.017	-0.018	-0.015	-0.008	-0.007	-0.004	-0.005	-0.001	-0.006
7.18	.832	-0.042	-0.038	-0.040	-0.034	-0.032	-0.031	-0.004	-0.004	-0.004	-0.004	-0.002	-0.004
5.56	.870	-0.069	-0.072	-0.072	-0.067	-0.069	-0.069	-0.097	-0.097	-0.092	-0.054	-0.053	-0.054
3.95	.908	-0.182	-0.189	-0.180	-0.180	-0.184	-0.187	-0.241	-0.248	-0.248	-0.149	-0.134	-0.159
2.35	.945	-0.240	-0.246	-0.243	-0.221	-0.221	-0.221	-0.267	-0.266	-0.266	-0.132	-0.136	-0.144
1.74	.964	-0.203	-0.204	-0.211	-0.238	-0.242	-0.243	-0.264	-0.264	-0.265	-0.200	-0.201	-0.204
.73	.983	-0.093	-0.095	-0.096	-0.080	-0.080	-0.083	-0.089	-0.102	-0.120	-0.227	-0.209	-0.214
.50	.993	-0.012	-0.017	-0.020	0.009	0.004	0.005	0.022	0.015	0.014	-0.237	-0.230	-0.218
.17	.996	0.009	0.009	0.003	0.028	0.028	0.028	0.041	0.040	0.040	-0.170	-0.173	-0.167
		$P_{t,1}/P_\infty = 4.04$			$P_{t,1}/P_\infty = 3.00$			$P_{t,1}/P_\infty = 4.99$			$P_{t,1}/P_\infty = 3.00$		
12.01	.719	-0.015	-0.011	-0.001	-0.010	-0.003	0.008	-0.036	-0.094	-0.084	-0.055	-0.052	-0.044
10.39	.757	-0.023	-0.020	-0.015	-0.019	-0.014	-0.009	-0.009	-0.008	-0.082	-0.052	-0.056	-0.055
8.76	.795	-0.026	-0.025	-0.022	-0.019	-0.022	-0.017	-0.012	-0.009	-0.009	-0.005	-0.001	-0.007
7.18	.832	-0.041	-0.037	-0.037	-0.037	-0.034	-0.034	-0.065	-0.066	-0.060	-0.039	-0.038	-0.039
5.56	.870	-0.069	-0.071	-0.070	-0.069	-0.071	-0.069	-0.099	-0.099	-0.095	-0.053	-0.053	-0.050
3.95	.908	-0.165	-0.168	-0.160	-0.191	-0.187	-0.190	-0.242	-0.240	-0.240	-0.146	-0.156	-0.161
2.35	.945	-0.243	-0.247	-0.243	-0.227	-0.223	-0.208	-0.272	-0.270	-0.260	-0.166	-0.150	-0.187
1.74	.964	-0.205	-0.206	-0.210	-0.247	-0.250	-0.259	-0.267	-0.269	-0.270	-0.190	-0.200	-0.209
.73	.983	-0.100	-0.100	-0.105	-0.091	-0.094	-0.097	-0.122	-0.147	-0.159	-0.225	-0.209	-0.209
.50	.993	-0.025	-0.028	-0.028	-0.010	-0.013	-0.012	0.002	0.007	0.004	-0.201	-0.202	-0.227
.17	.996	-0.007	-0.008	-0.008	0.010	0.009	0.008	0.024	0.022	0.023	-0.200	-0.199	-0.190
		$P_{t,1}/P_\infty = 5.85$ (max.)			$P_{t,1}/P_\infty = 6.45$ (max.)			$P_{t,1}/P_\infty = 6.97$			$P_{t,1}/P_\infty = 6.95$		
12.01	.719	-0.015	-0.008	-0.000	-0.008	-0.001	0.007	-0.034	-0.090	-0.081	-0.056	-0.054	-0.044
10.39	.757	-0.021	-0.019	-0.017	-0.017	-0.013	-0.008	-0.003	-0.002	-0.078	-0.055	-0.054	-0.057
8.76	.795	-0.025	-0.024	-0.023	-0.019	-0.020	-0.015	-0.007	-0.007	-0.005	-0.004	-0.001	-0.007
7.18	.832	-0.039	-0.036	-0.039	-0.032	-0.033	-0.032	-0.005	-0.007	-0.007	-0.009	-0.002	-0.002
5.56	.870	-0.068	-0.071	-0.069	-0.070	-0.072	-0.071	-0.091	-0.091	-0.091	-0.053	-0.053	-0.051
3.95	.908	-0.163	-0.158	-0.159	-0.152	-0.155	-0.158	-0.211	-0.218	-0.218	-0.145	-0.156	-0.156
2.35	.945	-0.244	-0.250	-0.248	-0.229	-0.230	-0.229	-0.268	-0.268	-0.264	-0.121	-0.164	-0.189
1.74	.964	-0.208	-0.210	-0.200	-0.235	-0.235	-0.265	-0.260	-0.267	-0.268	-0.207	-0.201	-0.209
.73	.983	-0.109	-0.112	-0.115	-0.105	-0.108	-0.105	-0.170	-0.194	-0.210	-0.231	-0.207	-0.206
.50	.993	-0.036	-0.043	-0.045	-0.024	-0.024	-0.024	-0.027	-0.028	-0.024	-0.270	-0.261	-0.245
.17	.996	-0.021	-0.024	-0.025	-0.005	-0.005	-0.005	0.009	0.007	0.009	-0.238	-0.230	-0.222
											$P_{t,1}/P_\infty = 8.15$ (max.)		
12.01	.719										-0.023	-0.023	-0.043
10.39	.757										-0.053	-0.057	-0.054
8.76	.795										-0.064	-0.062	-0.077
7.18	.832										-0.074	-0.071	-0.073
5.56	.870										-0.094	-0.093	-0.049
3.95	.908										-0.140	-0.150	-0.156
2.35	.945										-0.208	-0.194	-0.194
1.74	.964										-0.207	-0.201	-0.209
.73	.983										-0.229	-0.206	-0.203
.50	.993										-0.278	-0.260	-0.266
.17	.996										-0.245	-0.234	-0.223

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(a) Afterbody XIII - Continued

$$t_1 = 800^\circ F$$

$\frac{x}{d_1}$	$\frac{x}{t_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,1}/P_\infty = 1.99$			$P_{t,1}/P_\infty = 1.99$			$P_{t,1}/P_\infty = 2.01$			$P_{t,1}/P_\infty = 1.98$		
12.01	.719	-0.011	-0.039	0.000	-0.009	-0.004	0.005	-0.099	-0.075	-0.085	-0.090	-0.049	-0.099
10.59	.757	-0.019	-0.016	-0.013	-0.019	-0.015	-0.010	-0.087	-0.084	-0.081	-0.061	-0.059	-0.052
8.76	.795	-0.023	-0.025	-0.019	-0.022	-0.021	-0.018	-0.072	-0.072	-0.071	-0.065	-0.061	-0.055
7.18	.832	-0.037	-0.036	-0.033	-0.039	-0.033	-0.035	-0.065	-0.060	-0.060	-0.056	-0.052	-0.053
5.56	.870	-0.066	-0.068	-0.068	-0.070	-0.072	-0.070	-0.059	-0.059	-0.057	-0.053	-0.053	-0.049
3.95	.908	-0.130	-0.134	-0.130	-0.130	-0.129	-0.129	-0.163	-0.152	-0.152	-0.145	-0.135	-0.140
2.35	.945	-0.239	-0.239	-0.246	-0.216	-0.222	-0.217	-0.269	-0.269	-0.262	-0.206	-0.199	-0.190
1.54	.964	-0.181	-0.191	-0.201	-0.226	-0.230	-0.234	-0.263	-0.277	-0.268	-0.171	-0.216	-0.263
.73	.983	-0.079	-0.077	-0.085	-0.068	-0.069	-0.075	-0.060	-0.070	-0.078	-0.311	-0.287	-0.292
.30	.993	-0.002	-0.001	-0.001	0.015	0.015	0.012	0.054	0.027	0.028	-0.199	-0.198	-0.167
.17	.996	-0.023	-0.025	-0.024	0.036	0.039	0.035	0.052	0.049	0.050	-0.156	-0.153	-0.132
		$P_{t,1}/P_\infty = 2.99$			$P_{t,1}/P_\infty = 3.00$			$P_{t,1}/P_\infty = 3.01$			$P_{t,1}/P_\infty = 3.00$		
12.01	.719	-0.015	-0.011	-0.001	-0.010	-0.004	0.009	-0.096	-0.095	-0.094	-0.050	-0.049	-0.038
10.59	.757	-0.025	-0.021	-0.018	-0.019	-0.016	-0.011	-0.095	-0.081	-0.079	-0.050	-0.054	-0.052
8.76	.795	-0.026	-0.026	-0.023	-0.025	-0.021	-0.018	-0.065	-0.069	-0.067	-0.051	-0.050	-0.055
7.18	.832	-0.042	-0.040	-0.039	-0.040	-0.039	-0.035	-0.063	-0.060	-0.060	-0.054	-0.052	-0.054
5.56	.870	-0.071	-0.074	-0.075	-0.071	-0.074	-0.070	-0.057	-0.058	-0.056	-0.042	-0.051	-0.049
3.95	.908	-0.162	-0.158	-0.165	-0.162	-0.166	-0.150	-0.259	-0.255	-0.254	-0.144	-0.154	-0.142
2.35	.945	-0.219	-0.244	-0.242	-0.240	-0.246	-0.241	-0.267	-0.269	-0.262	-0.202	-0.198	-0.188
1.54	.964	-0.137	-0.139	-0.139	-0.209	-0.232	-0.236	-0.257	-0.267	-0.257	-0.171	-0.182	-0.161
.73	.983	-0.056	-0.056	-0.051	-0.078	-0.077	-0.082	-0.065	-0.090	-0.099	-0.311	-0.269	-0.291
.30	.993	-0.007	-0.012	-0.018	0.058	0.055	0.052	0.026	0.019	0.019	-0.212	-0.210	-0.156
.17	.996	-0.014	-0.012	-0.009	0.030	0.029	0.029	0.046	0.043	0.042	-0.152	-0.151	-0.146
		$P_{t,1}/P_\infty = 5.00$			$P_{t,1}/P_\infty = 5.05$			$P_{t,1}/P_\infty = 5.02$			$P_{t,1}/P_\infty = 5.00$		
12.01	.719	-0.014	-0.010	0.000	-0.010	-0.005	0.006	-0.098	-0.094	-0.094	-0.051	-0.050	-0.041
10.59	.757	-0.022	-0.018	-0.015	-0.020	-0.016	-0.013	-0.066	-0.064	-0.060	-0.051	-0.056	-0.052
8.76	.795	-0.024	-0.024	-0.021	-0.025	-0.022	-0.019	-0.071	-0.071	-0.067	-0.064	-0.062	-0.057
7.18	.832	-0.040	-0.036	-0.036	-0.040	-0.036	-0.036	-0.065	-0.061	-0.061	-0.058	-0.059	-0.055
5.56	.870	-0.085	-0.070	-0.068	-0.072	-0.074	-0.075	-0.059	-0.063	-0.061	-0.056	-0.054	-0.050
3.95	.908	-0.162	-0.147	-0.150	-0.153	-0.160	-0.152	-0.269	-0.264	-0.264	-0.171	-0.186	-0.177
2.35	.945	-0.241	-0.247	-0.242	-0.225	-0.231	-0.226	-0.266	-0.269	-0.258	-0.229	-0.207	-0.195
1.54	.964	-0.203	-0.204	-0.208	-0.240	-0.246	-0.248	-0.264	-0.277	-0.269	-0.161	-0.230	-0.268
.73	.983	-0.097	-0.097	-0.100	-0.087	-0.088	-0.098	-0.100	-0.114	-0.125	-0.303	-0.280	-0.266
.30	.993	-0.022	-0.024	-0.024	-0.005	-0.005	-0.007	0.014	0.006	0.006	-0.227	-0.220	-0.209
.17	.996	-0.004	-0.009	-0.009	0.015	0.014	0.015	0.054	0.051	0.052	-0.178	-0.175	-0.166
		$P_{t,1}/P_\infty = 6.99$			$P_{t,1}/P_\infty = 7.00$			$P_{t,1}/P_\infty = 7.00$			$P_{t,1}/P_\infty = 6.91$		
12.01	.719	-0.012	-0.008	0.001	-0.010	-0.004	0.006	-0.096	-0.092	-0.093	-0.053	-0.051	-0.042
10.59	.757	-0.021	-0.019	-0.013	-0.019	-0.015	-0.010	-0.069	-0.062	-0.079	-0.058	-0.056	-0.055
8.76	.795	-0.023	-0.024	-0.021	-0.023	-0.021	-0.016	-0.070	-0.069	-0.065	-0.063	-0.061	-0.057
7.18	.832	-0.039	-0.037	-0.036	-0.040	-0.035	-0.034	-0.064	-0.060	-0.060	-0.059	-0.052	-0.054
5.56	.870	-0.068	-0.073	-0.068	-0.071	-0.072	-0.070	-0.058	-0.058	-0.056	-0.054	-0.053	-0.050
3.95	.908	-0.161	-0.159	-0.159	-0.151	-0.166	-0.159	-0.264	-0.261	-0.267	-0.146	-0.156	-0.140
2.35	.945	-0.243	-0.250	-0.247	-0.226	-0.226	-0.225	-0.264	-0.264	-0.260	-0.222	-0.196	-0.189
1.54	.964	-0.208	-0.209	-0.221	-0.231	-0.233	-0.235	-0.264	-0.264	-0.264	-0.182	-0.207	-0.259
.73	.983	-0.111	-0.112	-0.116	-0.101	-0.101	-0.109	-0.144	-0.157	-0.170	-0.318	-0.294	-0.292
.30	.993	-0.041	-0.045	-0.045	-0.024	-0.027	-0.005	-0.013	-0.011	-0.011	-0.237	-0.247	-0.232
.17	.996	-0.026	-0.028	-0.030	-0.006	-0.006	-0.007	0.017	0.016	0.017	-0.222	-0.216	-0.204
		$P_{t,1}/P_\infty = 9.00$			$P_{t,1}/P_\infty = 9.02$			$P_{t,1}/P_\infty = 9.03$			$P_{t,1}/P_\infty = 9.02$		
12.01	.719	-0.013	-0.009	0.000	-0.011	-0.006	0.004	-0.097	-0.094	-0.093	-0.047	-0.045	-0.037
10.59	.757	-0.022	-0.021	-0.015	-0.022	-0.017	-0.011	-0.066	-0.063	-0.079	-0.056	-0.055	-0.048
8.76	.795	-0.025	-0.025	-0.023	-0.024	-0.024	-0.020	-0.070	-0.069	-0.069	-0.059	-0.058	-0.053
7.18	.832	-0.039	-0.039	-0.036	-0.041	-0.037	-0.037	-0.064	-0.060	-0.059	-0.053	-0.050	-0.052
5.56	.870	-0.069	-0.071	-0.068	-0.074	-0.073	-0.073	-0.057	-0.058	-0.055	-0.051	-0.050	-0.047
3.95	.908	-0.162	-0.157	-0.162	-0.155	-0.167	-0.151	-0.265	-0.265	-0.265	-0.143	-0.155	-0.140
2.35	.945	-0.244	-0.249	-0.247	-0.233	-0.236	-0.232	-0.269	-0.269	-0.263	-0.226	-0.205	-0.199
1.54	.964	-0.211	-0.212	-0.221	-0.222	-0.225	-0.227	-0.266	-0.259	-0.266	-0.197	-0.225	-0.265
.73	.983	-0.116	-0.117	-0.122	-0.111	-0.109	-0.119	-0.184	-0.209	-0.229	-0.294	-0.277	-0.295
.30	.993	-0.052	-0.056	-0.051	-0.036	-0.035	-0.034	-0.032	-0.036	-0.036	-0.250	-0.242	-0.230
.17	.996	-0.029	-0.041	-0.040	-0.019	-0.019	-0.017	-0.004	-0.004	-0.002	-0.225	-0.221	-0.207
								$P_{t,1}/P_\infty = 11.05$			$P_{t,1}/P_\infty = 11.01$		
12.01	.719						-0.098	-0.095	-0.093	-0.049	-0.047	-0.056	
10.59	.757						-0.085	-0.085	-0.079	-0.061	-0.055	-0.050	
8.76	.795						-0.069	-0.069	-0.064	-0.062	-0.061	-0.055	
7.18	.832						-0.064	-0.059	-0.059	-0.057	-0.053	-0.054	
5.56	.870						-0.059	-0.056	-0.059	-0.054	-0.053	-0.051	
3.95	.908						-0.152	-0.149	-0.137	-0.146	-0.137	-0.143	
2.35	.945						-0.267	-0.268	-0.260	-0.241	-0.212	-0.198	
1.54	.964						-0.360	-0.358	-0.367	-0.164	-0.245	-0.275	
.73	.983						-0.210	-0.231	-0.224	-0.292	-0.270	-0.304	
.30	.993						-0.059	-0.044	-0.046	-0.245	-0.234	-0.209	
.17	.996						-0.011	-0.012	-0.011	-0.203	-0.216	-0.209	

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(a) Afterbody XIII - Concluded

$t_j = 1,200^\circ F$

$\frac{x}{d_j}$	$\frac{x}{l_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,j}/P_\infty = 2.00$			$P_{c,j}/P_\infty = 2.00$			$P_{c,j}/P_\infty = 1.90$			$P_{c,j}/P_\infty = 2.00$		
12.01	0.719	-0.013	-0.011	0.000	-0.007	-0.005	0.008	-0.008	-0.005	-0.003	-0.009	-0.008	-0.000
10.59	0.757	-0.020	-0.018	-0.015	-0.017	-0.015	-0.009	-0.057	-0.065	-0.079	-0.080	-0.074	-0.052
8.76	0.799	-0.026	-0.025	-0.023	-0.020	-0.021	-0.016	-0.078	-0.071	-0.066	-0.061	-0.059	-0.055
7.18	0.832	-0.041	-0.037	-0.037	-0.036	-0.035	-0.026	-0.064	-0.060	-0.060	-0.054	-0.053	-0.052
5.56	0.870	-0.069	-0.069	-0.069	-0.067	-0.071	-0.070	-0.058	-0.059	-0.056	-0.055	-0.051	-0.049
5.99	0.908	-0.101	-0.106	-0.106	-0.100	-0.102	-0.109	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
2.50	0.945	-0.259	-0.259	-0.258	-0.254	-0.261	-0.268	-0.268	-0.268	-0.260	-0.260	-0.260	-0.260
1.54	0.964	-0.191	-0.191	-0.199	-0.220	-0.224	-0.233	-0.307	-0.303	-0.304	-0.180	-0.185	-0.261
0.75	0.985	-0.075	-0.074	-0.078	-0.060	-0.062	-0.068	-0.044	-0.042	-0.060	-0.315	-0.291	-0.295
0.50	0.995	0.006	0.004	0.004	0.022	0.020	0.019	0.041	0.034	0.034	-0.194	-0.192	-0.183
0.30	0.995	0.028	0.028	0.027	0.045	0.045	0.045	0.077	0.075	0.077	-0.150	-0.128	-0.128
		$P_{c,j}/P_\infty = 2.98$			$P_{c,j}/P_\infty = 3.00$			$P_{c,j}/P_\infty = 5.01$			$P_{c,j}/P_\infty = 5.00$		
12.01	0.719	-0.017	-0.012	-0.003	-0.008	-0.005	0.008	-0.097	-0.093	-0.085	-0.088	-0.047	-0.040
10.59	0.757	-0.024	-0.022	-0.017	-0.017	-0.015	-0.010	-0.086	-0.082	-0.078	-0.060	-0.054	-0.050
8.76	0.799	-0.029	-0.027	-0.024	-0.020	-0.023	-0.015	-0.071	-0.069	-0.065	-0.061	-0.060	-0.055
7.18	0.832	-0.044	-0.039	-0.041	-0.038	-0.035	-0.032	-0.064	-0.059	-0.059	-0.055	-0.052	-0.054
5.56	0.870	-0.071	-0.073	-0.071	-0.069	-0.070	-0.069	-0.058	-0.059	-0.057	-0.055	-0.052	-0.048
5.99	0.908	-0.103	-0.108	-0.100	-0.109	-0.105	-0.108	-0.170	-0.164	-0.171	-0.144	-0.144	-0.140
2.50	0.945	-0.240	-0.245	-0.245	-0.238	-0.240	-0.241	-0.265	-0.267	-0.260	-0.199	-0.199	-0.190
1.54	0.964	-0.199	-0.199	-0.209	-0.228	-0.232	-0.240	-0.300	-0.294	-0.304	-0.177	-0.210	-0.260
0.75	0.985	-0.085	-0.085	-0.090	-0.069	-0.071	-0.077	-0.062	-0.070	-0.078	-0.311	-0.280	-0.290
0.50	0.995	-0.038	-0.038	-0.030	-0.035	-0.035	-0.031	-0.036	-0.036	-0.037	-0.204	-0.204	-0.194
0.30	0.996	0.014	0.014	0.012	0.037	0.036	0.036	0.051	0.048	0.049	-0.148	-0.144	-0.140
		$P_{c,j}/P_\infty = 4.99$			$P_{c,j}/P_\infty = 4.51$			$P_{c,j}/P_\infty = 5.01$			$P_{c,j}/P_\infty = 5.04$		
12.01	0.719	-0.015	-0.011	-0.001	-0.007	-0.001	0.008	-0.098	-0.094	-0.084	-0.089	-0.047	-0.039
10.59	0.757	-0.023	-0.020	-0.017	-0.017	-0.012	-0.007	-0.088	-0.084	-0.080	-0.060	-0.054	-0.050
8.76	0.799	-0.027	-0.026	-0.026	-0.020	-0.019	-0.015	-0.072	-0.070	-0.067	-0.062	-0.060	-0.056
7.18	0.832	-0.041	-0.037	-0.040	-0.036	-0.035	-0.032	-0.066	-0.061	-0.061	-0.056	-0.053	-0.054
5.56	0.870	-0.069	-0.071	-0.071	-0.069	-0.070	-0.069	-0.059	-0.061	-0.057	-0.054	-0.053	-0.050
5.99	0.908	-0.105	-0.108	-0.100	-0.109	-0.104	-0.106	-0.169	-0.160	-0.175	-0.146	-0.157	-0.145
2.50	0.945	-0.241	-0.243	-0.244	-0.239	-0.241	-0.242	-0.269	-0.269	-0.262	-0.205	-0.204	-0.190
1.54	0.964	-0.204	-0.203	-0.208	-0.219	-0.238	-0.240	-0.304	-0.297	-0.306	-0.168	-0.238	-0.270
0.75	0.985	-0.097	-0.094	-0.098	-0.080	-0.080	-0.086	-0.092	-0.101	-0.112	-0.305	-0.279	-0.297
0.50	0.995	-0.022	-0.022	-0.020	-0.022	-0.021	-0.021	-0.017	-0.011	-0.011	-0.223	-0.216	-0.206
0.30	0.996	-0.004	-0.001	-0.003	-0.020	-0.021	-0.020	-0.036	-0.034	-0.034	-0.175	-0.169	-0.164
		$P_{c,j}/P_\infty = 6.99$			$P_{c,j}/P_\infty = 7.01$			$P_{c,j}/P_\infty = 7.00$			$P_{c,j}/P_\infty = 7.02$		
12.01	0.719	-0.010	-0.006	0.005	-0.007	-0.001	0.008	-0.100	-0.094	-0.086	-0.092	-0.050	-0.041
10.59	0.757	-0.018	-0.016	-0.021	-0.016	-0.012	-0.007	-0.088	-0.085	-0.081	-0.062	-0.056	-0.052
8.76	0.799	-0.022	-0.021	-0.020	-0.020	-0.018	-0.015	-0.072	-0.070	-0.067	-0.065	-0.061	-0.057
7.18	0.832	-0.039	-0.034	-0.037	-0.036	-0.035	-0.032	-0.065	-0.061	-0.060	-0.059	-0.052	-0.054
5.56	0.870	-0.068	-0.069	-0.067	-0.069	-0.068	-0.068	-0.058	-0.058	-0.056	-0.054	-0.053	-0.050
5.99	0.908	-0.100	-0.106	-0.103	-0.109	-0.105	-0.106	-0.148	-0.146	-0.154	-0.146	-0.156	-0.159
2.50	0.945	-0.242	-0.245	-0.246	-0.240	-0.230	-0.236	-0.272	-0.272	-0.266	-0.174	-0.194	-0.189
1.54	0.964	-0.204	-0.204	-0.212	-0.246	-0.250	-0.252	-0.307	-0.302	-0.311	-0.185	-0.209	-0.208
0.75	0.985	-0.108	-0.107	-0.111	-0.095	-0.095	-0.099	-0.134	-0.130	-0.166	-0.318	-0.299	-0.294
0.50	0.995	-0.037	-0.038	-0.038	-0.016	-0.018	-0.018	-0.044	-0.043	-0.042	-0.244	-0.245	-0.230
0.30	0.996	-0.001	-0.020	-0.024	-0.001	-0.001	-0.001	-0.018	-0.016	-0.016	-0.218	-0.212	-0.202
		$P_{c,j}/P_\infty = 9.00$			$P_{c,j}/P_\infty = 9.03$			$P_{c,j}/P_\infty = 9.03$			$P_{c,j}/P_\infty = 9.04$		
12.01	0.719	-0.014	-0.007	-0.001	-0.007	0.000	0.009	-0.098	-0.094	-0.085	-0.092	-0.051	-0.041
10.59	0.757	-0.023	-0.017	-0.014	-0.015	-0.010	-0.006	-0.087	-0.084	-0.080	-0.063	-0.057	-0.053
8.76	0.799	-0.028	-0.024	-0.021	-0.020	-0.018	-0.014	-0.071	-0.070	-0.066	-0.064	-0.062	-0.058
7.18	0.832	-0.038	-0.036	-0.037	-0.030	-0.030	-0.026	-0.065	-0.060	-0.060	-0.056	-0.053	-0.052
5.56	0.870	-0.068	-0.071	-0.070	-0.068	-0.069	-0.068	-0.058	-0.059	-0.057	-0.055	-0.054	-0.051
5.99	0.908	-0.100	-0.106	-0.104	-0.107	-0.104	-0.107	-0.162	-0.157	-0.165	-0.145	-0.157	-0.140
2.50	0.945	-0.240	-0.247	-0.248	-0.242	-0.232	-0.235	-0.269	-0.262	-0.262	-0.188	-0.197	-0.191
1.54	0.964	-0.209	-0.209	-0.218	-0.249	-0.251	-0.258	-0.306	-0.299	-0.308	-0.185	-0.207	-0.260
0.75	0.985	-0.112	-0.111	-0.113	-0.101	-0.099	-0.105	-0.160	-0.152	-0.161	-0.300	-0.296	-0.294
0.50	0.995	-0.045	-0.049	-0.048	-0.025	-0.029	-0.026	-0.019	-0.028	-0.027	-0.262	-0.258	-0.256
0.30	0.996	-0.031	-0.035	-0.034	-0.010	-0.011	-0.007	-0.005	-0.005	-0.004	-0.234	-0.227	-0.215
		$P_{c,j}/P_\infty = 11.02$			$P_{c,j}/P_\infty = 11.06$								
12.01	0.719							-0.095	-0.091	-0.083	-0.090	-0.048	-0.039
10.59	0.757							-0.084	-0.081	-0.078	-0.061	-0.054	-0.051
8.76	0.799							-0.067	-0.066	-0.062	-0.061	-0.060	-0.059
7.18	0.832							-0.064	-0.064	-0.061	-0.061	-0.061	-0.061
5.56	0.870							-0.054	-0.054	-0.051	-0.052	-0.052	-0.054
5.99	0.908							-0.144	-0.141	-0.149	-0.143	-0.155	-0.156
2.50	0.945							-0.257	-0.266	-0.260	-0.175	-0.195	-0.189
1.54	0.964							-0.365	-0.359	-0.366	-0.184	-0.209	-0.217
0.75	0.985							-0.180	-0.203	-0.227	-0.319	-0.295	-0.292
0.50	0.995							-0.068	-0.070	-0.074	-0.261	-0.252	-0.256
0.30	0.996							-0.002	-0.005	-0.002	-0.232	-0.226	-0.213

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(c) Afterbody XIV

$t_1 = \text{Gold}$

$\frac{x}{d_j}$	$\frac{x}{l_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,1}/P_\infty = 0.94$			$P_{t,1}/P_\infty = 0.92$			$P_{t,1}/P_\infty = 0.90$			$P_{t,1}/P_\infty = 0.88$		
7.95	0.722	-0.018	-0.003	0.027	-0.012	0.005	0.025	-0.153	-0.127	-0.098	-0.085	-0.078	-0.027
7.36	.742	-.004	.000	-.002	.002	.008	-.104	-.096	-.092	-.082	-.077	-.072	-.044
6.79	.762	-.014	-.008	.000	-.008	-.001	-.102	-.095	-.089	-.081	-.077	-.072	-.044
6.25	.802	-.014	-.011	-.005	-.008	-.005	-.081	-.081	-.077	-.061	-.055	-.055	-.025
5.71	.842	-.016	-.012	-.014	-.011	-.007	-.070	-.069	-.069	-.054	-.050	-.050	-.025
5.17	.882	-.021	-.021	-.019	-.017	-.015	-.066	-.065	-.061	-.054	-.054	-.054	-.025
4.62	.922	-.033	-.028	-.031	-.029	-.025	-.056	-.056	-.052	-.045	-.045	-.045	-.025
4.08	.962	-.055	-.050	-.052	-.052	-.047	-.040	-.040	-.041	-.034	-.034	-.034	-.025
3.54	.982	-.075	-.070	-.069	-.073	-.068	-.046	-.046	-.045	-.038	-.038	-.038	-.025
3.00	.996	-.088	-.086	-.087	-.089	-.088	-.046	-.046	-.045	-.038	-.038	-.038	-.025
2.46	.996	-.109	-.112	-.109	-.117	-.118	-.081	-.082	-.076	-.074	-.065	-.065	-.048
		$P_{t,1}/P_\infty = 1.96$			$P_{t,1}/P_\infty = 1.97$			$P_{t,1}/P_\infty = 1.96$			$P_{t,1}/P_\infty = 1.96$		
7.95	.722	-.019	-.005	.015	-.014	.002	.025	-.152	-.136	-.099	-.083	-.075	-.025
7.36	.742	-.007	.000	-.002	-.002	.008	-.106	-.098	-.092	-.081	-.077	-.072	-.044
6.79	.762	-.015	-.008	.000	-.008	-.001	-.101	-.095	-.088	-.079	-.075	-.072	-.044
6.25	.802	-.015	-.011	-.008	-.009	-.005	-.082	-.079	-.077	-.068	-.063	-.063	-.044
5.71	.842	-.017	-.015	-.016	-.012	-.008	-.070	-.064	-.069	-.058	-.056	-.056	-.044
5.17	.882	-.022	-.023	-.022	-.018	-.019	-.064	-.063	-.068	-.050	-.051	-.052	-.044
4.62	.922	-.038	-.034	-.036	-.033	-.030	-.053	-.053	-.053	-.043	-.043	-.043	-.044
4.08	.962	-.065	-.058	-.058	-.058	-.053	-.048	-.049	-.049	-.042	-.042	-.042	-.044
3.54	.982	-.097	-.097	-.095	-.098	-.092	-.045	-.043	-.040	-.040	-.040	-.040	-.044
3.00	.996	-.125	-.131	-.131	-.131	-.129	-.128	-.128	-.128	-.122	-.122	-.122	-.044
2.46	.996	-.169	-.169	-.166	-.171	-.173	-.158	-.153	-.154	-.148	-.148	-.148	-.044
		$P_{t,1}/P_\infty = 2.71 \text{ (max.)}$			$P_{t,1}/P_\infty = 2.99$			$P_{t,1}/P_\infty = 2.98$					
7.95	.722	-.020	-.006	.014	-.015	.000	.025	-.154	-.130	-.100			
7.36	.742	-.007	-.001	-.002	-.002	.006	-.107	-.099	-.092				
6.79	.762	-.015	-.009	-.001	-.010	-.005	-.105	-.096	-.090				
6.25	.802	-.016	-.011	-.009	-.011	-.007	-.083	-.083	-.081	-.079			
5.71	.842	-.018	-.014	-.017	-.014	-.010	-.071	-.069	-.070				
5.17	.882	-.023	-.023	-.024	-.020	-.021	-.064	-.063	-.061				
4.62	.922	-.040	-.036	-.038	-.036	-.033	-.054	-.052	-.052				
4.08	.962	-.066	-.062	-.061	-.062	-.056	-.043	-.042	-.042				
3.54	.982	-.104	-.103	-.101	-.100	-.098	-.068	-.067	-.062				
3.00	.996	-.142	-.140	-.140	-.144	-.141	-.140	-.140	-.137				
2.46	.996	-.180	-.183	-.178	-.189	-.189	-.184	-.185	-.185				
		$P_{t,1}/P_\infty = 3.79 \text{ (max.)}$											
7.95	.722										-.084	-.075	-.025
7.36	.742										-.051	-.042	-.044
6.79	.762										-.039	-.031	-.044
6.25	.802										-.029	-.023	-.024
5.71	.842										-.021	-.017	-.021
5.17	.882										-.019	-.011	-.021
4.62	.922										-.022	-.018	-.018
4.08	.962										-.041	-.037	-.034
3.54	.982										-.047	-.039	-.039
3.00	.996										-.033	-.024	-.024
2.46	.996										-.003	-.007	-.001
2.00	.996										-.048	-.052	-.049

TABLE XIII.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(c) Afterbody XIV - Continued

$t_1 = 800^\circ F$

K d ₁	K d _{max}	Pressure coefficients for -											
		M _∞ = 0.80			M _∞ = 0.90			M _∞ = 1.00			M _∞ = 1.10		
		θ = 0°	θ = 45°	θ = 72°	θ = 0°	θ = 45°	θ = 72°	θ = 0°	θ = 45°	θ = 72°	θ = 0°	θ = 45°	θ = 72°
		P _{c,3} /P _∞ = 1.99			P _{c,3} /P _∞ = 2.05			P _{c,3} /P _∞ = 2.53					
7.93	.722	-0.019	-0.006	0.015	-0.012	0.003	0.026	-0.128	-0.132	-0.101			
7.36	.742	-.007	-.001	-.001	-.003	-.008	-.008	-.108	-.100	-.099			
6.79	.762	-.015	-.008	-.001	-.008	-.001	-.007	-.105	-.096	-.089			
5.69	.802	-.015	-.011	-.008	-.009	-.005	-.000	-.089	-.081	-.078			
4.51	.842	-.016	-.012	-.015	-.011	-.007	-.010	-.070	-.065	-.069			
3.37	.882	-.022	-.022	-.021	-.017	-.016	-.016	-.044	-.043	-.040			
2.22	.922	-.026	-.023	-.024	-.022	-.022	-.020	-.009	-.012	-.012			
1.69	.942	-.040	-.026	-.025	-.027	-.021	-.020	-.021	-.026	-.027			
1.08	.962	-.059	-.029	-.025	-.051	-.026	-.025	-.026	-.019	-.012			
.51	.982	-.089	-.068	-.087	-.087	-.066	-.083	-.017	-.016	-.011			
.23	.992	-.120	-.118	-.118	-.122	-.119	-.118	-.061	-.028	-.022			
.11	.996	-.152	-.155	-.149	-.159	-.159	-.154	-.112	-.112	-.102			
		P _{c,3} /P _∞ = 2.98			P _{c,3} /P _∞ = 2.99			P _{c,3} /P _∞ = 2.87			P _{c,3} /P _∞ = 2.99		
7.93	.722	-.025	-.010	.011	-.013	.003	.029	-.155	-.130	-.100	-0.082	-0.079	-0.023
7.36	.742	-.011	-.005	-.001	-.001	.005	-.008	-.107	-.099	-.088	-.050	-.041	-.043
6.79	.762	-.017	-.010	-.001	-.009	-.002	-.007	-.104	-.096	-.088	-.053	-.049	-.043
5.69	.802	-.017	-.014	-.009	-.010	-.007	-.002	-.085	-.082	-.077	-.028	-.022	-.020
4.51	.842	-.016	-.013	-.015	-.012	-.008	-.011	-.071	-.066	-.070	-.051	-.046	-.051
3.37	.882	-.020	-.021	-.019	-.019	-.018	-.018	-.056	-.055	-.053	-.021	-.022	-.020
2.22	.922	-.022	-.020	-.020	-.024	-.020	-.021	-.001	.003	.002	-.022	-.019	-.019
1.69	.942	-.025	-.023	-.024	-.029	-.024	-.023	.022	.025	.024	-.043	-.028	-.024
1.08	.962	-.051	-.027	-.024	-.051	-.028	-.028	.013	.013	-.019	-.044	-.044	-.029
.51	.982	-.089	-.087	-.084	-.094	-.093	-.091	-.014	-.014	-.009	-.033	-.018	-.021
.23	.992	-.121	-.119	-.118	-.124	-.121	-.129	-.029	-.027	-.022	-.041	-.025	-.009
.11	.996	-.153	-.155	-.151	-.174	-.175	-.170	-.111	-.112	-.104	-.083	-.065	-.026
		P _{c,3} /P _∞ = 4.00			P _{c,3} /P _∞ = 4.00			P _{c,3} /P _∞ = 3.98			P _{c,3} /P _∞ = 3.98		
7.93	.722				-.013	.003	.025				-.081	-.053	-.083
7.36	.742				.001	.008	-.008				-.045	-.059	-.048
6.79	.762				-.009	-.001	.006				-.053	-.048	-.041
5.69	.802				-.020	-.007	-.001				-.027	-.052	-.048
4.51	.842				-.012	-.009	-.011				-.029	-.025	-.060
3.37	.882				-.018	-.020	-.018				-.049	-.021	-.022
2.22	.922				-.024	-.021	-.022				-.051	-.047	-.047
1.69	.942				-.040	-.025	-.024				-.042	-.037	-.033
1.08	.962				-.067	-.064	-.061				-.049	-.044	-.039
.51	.982				-.099	-.098	-.099				-.038	-.021	-.020
.23	.992				-.145	-.159	-.138				-.051	-.025	-.028
.11	.996				-.187	-.188	-.183				-.073	-.076	-.027
		P _{c,3} /P _∞ = 4.57 (max.)			P _{c,3} /P _∞ = 5.01			P _{c,3} /P _∞ = 4.99			P _{c,3} /P _∞ = 4.97		
7.93	.722	-.021	-.007	.013	-.015	.003	.025	-.152	-.129	-.100	-.083	-.073	-.023
7.36	.742	-.008	-.002	-.001	-.001	.007	-.008	-.107	-.099	-.088	-.049	-.040	-.043
6.79	.762	-.015	-.008	-.000	-.010	-.002	-.006	-.104	-.095	-.088	-.053	-.049	-.043
5.69	.802	-.015	-.013	-.007	-.010	-.007	-.002	-.085	-.082	-.077	-.027	-.052	-.049
4.51	.842	-.016	-.011	-.012	-.015	-.010	-.012	-.070	-.065	-.069	-.060	-.056	-.061
3.37	.882	-.021	-.021	-.020	-.021	-.020	-.020	-.049	-.047	-.046	-.022	-.022	-.022
2.22	.922	-.020	-.022	-.022	-.027	-.022	-.021	-.010	-.013	-.010	-.022	-.048	-.020
1.69	.942	-.040	-.022	-.022	-.027	-.022	-.021	-.023	-.027	-.028	-.043	-.037	-.035
1.08	.962	-.066	-.054	-.061	-.070	-.067	-.064	-.008	-.012	-.013	-.020	-.045	-.041
.51	.982	-.100	-.101	-.098	-.105	-.104	-.101	-.018	-.017	-.015	-.042	-.026	-.024
.23	.992	-.145	-.141	-.142	-.155	-.158	-.149	-.070	-.067	-.060	-.037	-.022	-.012
.11	.996	-.185	-.185	-.180	-.206	-.208	-.201	-.124	-.124	-.123	-.105	-.083	-.062
		P _{c,3} /P _∞ = 5.81 (max.)			P _{c,3} /P _∞ = 5.81 (max.)			P _{c,3} /P _∞ = 6.73 (max.)			P _{c,3} /P _∞ = 6.73 (max.)		
7.93	.722							-.155	-.130	-.100	-.081	-.073	-.023
7.36	.742							-.107	-.099	-.088	-.049	-.042	-.043
6.79	.762							-.104	-.095	-.088	-.053	-.049	-.043
5.69	.802							-.085	-.082	-.077	-.027	-.052	-.049
4.51	.842							-.070	-.065	-.069	-.060	-.056	-.061
3.37	.882							-.049	-.047	-.046	-.022	-.022	-.022
2.22	.922							-.010	-.013	-.010	-.022	-.048	-.020
1.69	.942							-.023	-.027	-.028	-.043	-.037	-.035
1.08	.962							-.008	-.012	-.013	-.020	-.045	-.041
.51	.982							-.018	-.017	-.015	-.042	-.026	-.024
.23	.992							-.070	-.067	-.060	-.037	-.022	-.012
.11	.996							-.124	-.124	-.123	-.105	-.083	-.062

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Concluded

(c) Afterbody XIV - Concluded

$t_1 = 1,800^\circ F$

$\frac{x}{l_{max}}$	$\frac{x}{t_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,1}/P_\infty = 2.22$ (min.)			$P_{c,1}/P_\infty = 2.76$ (min.)			$P_{c,1}/P_\infty = 2.87$ (min.)					
7.95	0.722	-0.018	-0.002	0.018	-0.015	0.003	0.005	-0.152	-0.129	-0.099			
7.36	.742	-0.003	.005		.005	.009		-0.106	-0.098				
6.79	.762	-0.012	-0.006	.002	-0.007	.001	.009	-0.105	-0.094	-0.087			
5.69	.802	-0.012	-0.009	.004	-0.007	.004	.001	-0.082	-0.081	-0.073			
4.51	.842	-0.013	-0.011	.012	-0.009	.005	.008	-0.070	-0.064	-0.068			
3.37	.882	-0.019	-0.019	.018	-0.015	.014	.014	-0.050	-0.049	-0.048			
2.22	.922	-0.023	-0.030	.020	-0.020	.025	.009	.009	.012	.011			
1.69	.942	-0.028	-0.035	.021	-0.024	.030	.022	.024	.027	.026			
1.08	.962	-0.031	-0.037	.021	-0.029	.029	.021	.014	.017	.015			
.51	.982	-0.036	-0.036	.024	-0.028	.028	.022	.013	.012	.008			
.23	.992	-0.117	-0.114	.114	-0.122	.119	.118	.057	.054	.049			
.11	.996	-0.147	-0.148	.145	-0.159	.158	.152	-0.107	-0.108	-0.099			
		$P_{c,1}/P_\infty = 2.96$			$P_{c,1}/P_\infty = 3.00$			$P_{c,1}/P_\infty = 2.95$			$P_{c,1}/P_\infty = 2.97$ (min.)		
7.95	.722	-0.018	-0.004	.015	-0.012	.005	.006	-0.159	-0.134	-0.105	-0.081	-0.054	-0.022
7.36	.742	-0.006	.001		.001	.009		-0.109	-0.101		-0.049	-0.040	
6.79	.762	-0.014	-0.006	.005	-0.008	.001	.011	-0.105	-0.095	-0.090	-0.053	-0.049	-0.041
5.69	.802	-0.012	-0.008	.010	-0.008	.005	.003	-0.082	-0.080	-0.077	-0.056	-0.051	-0.048
4.51	.842	-0.012	-0.008	.015	-0.010	.008	.008	-0.068	-0.064	-0.062	-0.050	-0.055	-0.058
3.37	.882	-0.016	-0.016	.016	-0.016	.016	.014	-0.046	-0.045	-0.044	-0.030	-0.049	-0.050
2.22	.922	-0.020	-0.025	.027	-0.021	.027	.025	.008	.010	.009	-0.021	-0.045	-0.047
1.69	.942	-0.024	-0.030	.028	-0.023	.031	.029	.019	.022	.027	-0.043	-0.056	-0.054
1.08	.962	-0.026	-0.033	.031	-0.029	.037	.030	.007	.010	.012	-0.048	-0.043	-0.058
.51	.982	-0.036	-0.036	.031	-0.036	.036	.032	-0.019	-0.018	-0.014	-0.036	-0.017	-0.004
.23	.992	-0.114	-0.113	.112	-0.123	.122	.120	-0.055	-0.060	-0.055	-0.047	-0.023	-0.008
.11	.996	-0.146	-0.148	.145	-0.165	.165	.159	-0.114	-0.113	-0.105	-0.087	-0.073	-0.054
		$P_{c,1}/P_\infty = 3.01$			$P_{c,1}/P_\infty = 4.97$			$P_{c,1}/P_\infty = 4.99$			$P_{c,1}/P_\infty = 4.97$		
7.95	.722	-0.017	-0.005	.017	-0.010	.005	.024	-0.153	-0.129	-0.100	-0.082	-0.055	-0.024
7.36	.742	-0.006	.002		.001	.009	.025	-0.106	-0.098		-0.050	-0.041	
6.79	.762	-0.012	-0.005	.004	-0.005	.005	.011	-0.105	-0.094	-0.087	-0.055	-0.050	-0.043
5.69	.802	-0.012	-0.005	.005	-0.005	.005	.001	-0.082	-0.081	-0.077	-0.058	-0.053	-0.050
4.51	.842	-0.012	-0.007	.010	-0.009	.005	.007	-0.070	-0.064	-0.068	-0.060	-0.056	-0.060
3.37	.882	-0.017	-0.015	.015	-0.014	.012	.012	-0.048	-0.047	-0.044	-0.030	-0.050	-0.050
2.22	.922	-0.020	-0.028	.028	-0.026	.024	.024	.012	.014	.012	-0.051	-0.047	-0.047
1.69	.942	-0.024	-0.032	.031	-0.032	.028	.026	.004	.027	.028	-0.042	-0.036	-0.034
1.08	.962	-0.026	-0.033	.033	-0.033	.033	.031	.008	.012	.014	-0.047	-0.041	-0.034
.51	.982	-0.037	-0.036	.034	-0.036	.036	.034	-0.017	-0.016	-0.012	-0.036	-0.006	-0.015
.23	.992	-0.159	-0.157	.158	-0.158	.158	.156	-0.059	-0.059	-0.059	-0.036	-0.017	-0.004
.11	.996	-0.180	-0.182	.179	-0.174	.174	.170	-0.129	-0.130	-0.118	-0.070	-0.072	-0.055
		$P_{c,1}/P_\infty = 5.73$ (max.)			$P_{c,1}/P_\infty = 6.31$ (max.)			$P_{c,1}/P_\infty = 6.99$			$P_{c,1}/P_\infty = 6.99$		
7.95	.722	-0.019	-0.005	.014	-0.012	.002	.025	-0.155	-0.130	-0.101	-0.083	-0.055	-0.025
7.36	.742	-0.007	.001		.000	.009		-0.106	-0.099		-0.050	-0.041	
6.79	.762	-0.014	-0.007	.002	-0.007	.001	.010	-0.105	-0.094	-0.087	-0.055	-0.050	-0.043
5.69	.802	-0.012	-0.007	.006	-0.007	.004	.001	-0.081	-0.080	-0.077	-0.057	-0.052	-0.051
4.51	.842	-0.013	-0.010	.013	-0.008	.005	.009	-0.067	-0.061	-0.064	-0.061	-0.055	-0.061
3.37	.882	-0.019	-0.018	.017	-0.015	.015	.015	-0.048	-0.048	-0.045	-0.031	-0.051	-0.051
2.22	.922	-0.024	-0.029	.030	-0.026	.025	.025	.019	.022	.020	-0.059	-0.049	-0.049
1.69	.942	-0.028	-0.036	.030	-0.033	.033	.032	.006	.010	.011	-0.045	-0.037	-0.035
1.08	.962	-0.031	-0.039	.030	-0.033	.033	.032	.008	.012	.014	-0.048	-0.042	-0.036
.51	.982	-0.040	-0.036	.030	-0.033	.033	.032	-0.021	-0.019	-0.015	-0.031	-0.011	-0.008
.23	.992	-0.153	-0.152	.151	-0.152	.149	.145	-0.077	-0.073	-0.055	-0.037	-0.021	-0.008
.11	.996	-0.198	-0.200	.197	-0.207	.206	.199	-0.147	-0.147	-0.132	-0.083	-0.077	-0.059

TABLE IV.- FOREBODY PRESSURE COEFFICIENTS

[No Jet Flow]

$\frac{x}{d_j}$	$\frac{x}{l_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
Afterbody 1													
40.96	0.042	0.120	0.119	0.117	0.137	0.132	0.131	0.170	0.166	0.165	0.180	0.177	0.183
38.56	.039	.065	.064	.064	.073	.072	.071	.096	.092	.092	.115	.124	.128
36.12	.159	.011	.006	.012	.012	.006	.013	.014	.007	.013	.085	.095	.099
33.73	.211	.009	.006	.005	.002	.005	.006	.010	.000	.011	.021	.020	.050
31.29	.268	.028	.025	.014	.028	.028	.013	.077	.079	.064	.055	.055	.020
28.90	.284	.008	.008	.005	.004	.006	.009	.023	.021	.022	.051	.050	.018
26.46	.321	.012	.035	.027	.035	.031	.074	.092	.109	.131	.048	.045	.047
24.05	.429	.006	.014	.021	.023	.018	.012	.165	.101	.097	.128	.119	.110
21.63	.494	.069	.117	.159	.179	.185	.137	.005	.020	.044	.061	.056	.018
20.01	.522	.157	.188	.239	.165	.215	.265	.073	.126	.178	.006	.040	.095
18.58	.570	.122	.161	.199	.206	.260	.313	.144	.201	.258	.014	.073	.134
16.84	.626	.090	.108	.125	.140	.160	.175	.158	.227	.261	.058	.082	.111
15.22	.644	.077	.043	.004	.064	.046	.048	.228	.218	.199	.102	.106	.092
13.64	.681	.053	.019	.003	.033	.015	.009	.157	.131	.099	.085	.094	.021
12.83	.700	.031	.020	.001	.028	.015	.005	.113	.099	.089	.047	.032	.015
Afterbody 6													
27.27	.044	.115	.112	.118	.131	.130	.136	.167	.164	.168	.179	.178	.186
25.56	.104	.067	.059	.062	.075	.070	.073	.099	.092	.096	.116	.120	.124
23.85	.154	.006	.005	.007	.011	.006	.010	.014	.009	.016	.044	.040	.032
22.13	.224	.005	.008	.001	.007	.004	.006	.015	.001	.010	.023	.018	.026
20.42	.284	.022	.029	.017	.022	.027	.015	.074	.079	.065	.051	.055	.025
18.71	.344	.011	.010	.008	.005	.005	.003	.022	.018	.020	.020	.026	.015
17.00	.404	.009	.031	.025	.024	.024	.072	.092	.105	.125	.044	.053	.026
15.29	.464	.008	.013	.018	.022	.022	.018	.106	.104	.122	.132	.123	.113
13.58	.524	.069	.119	.175	.176	.185	.132	.005	.019	.039	.059	.059	.009
12.44	.564	.136	.188	.239	.159	.212	.265	.070	.120	.171	.002	.043	.089
11.20	.604	.118	.156	.199	.205	.256	.310	.143	.201	.258	.015	.072	.129
10.21	.642	.091	.107	.119	.130	.150	.160	.168	.227	.260	.093	.085	.114
9.07	.682	.055	.042	.002	.056	.043	.001	.123	.101	.074	.021	.015	.030

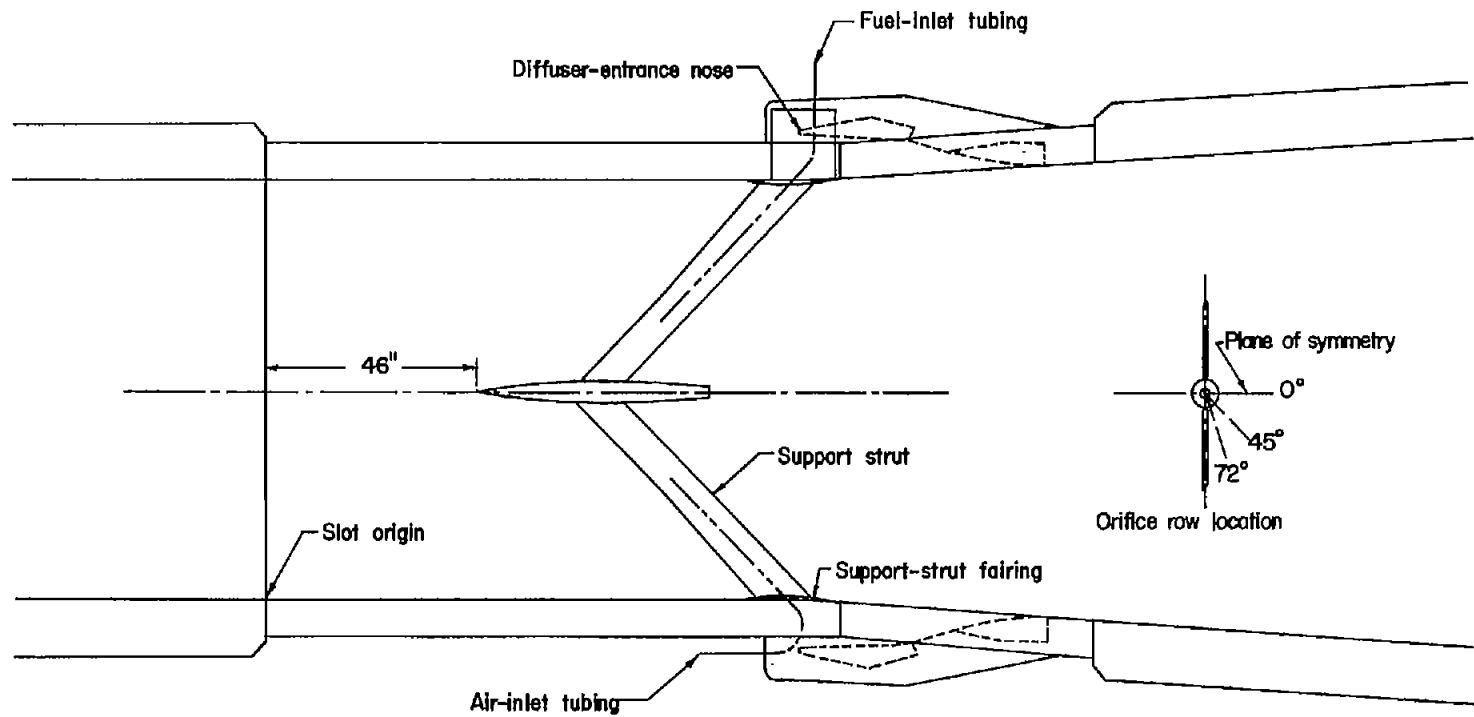
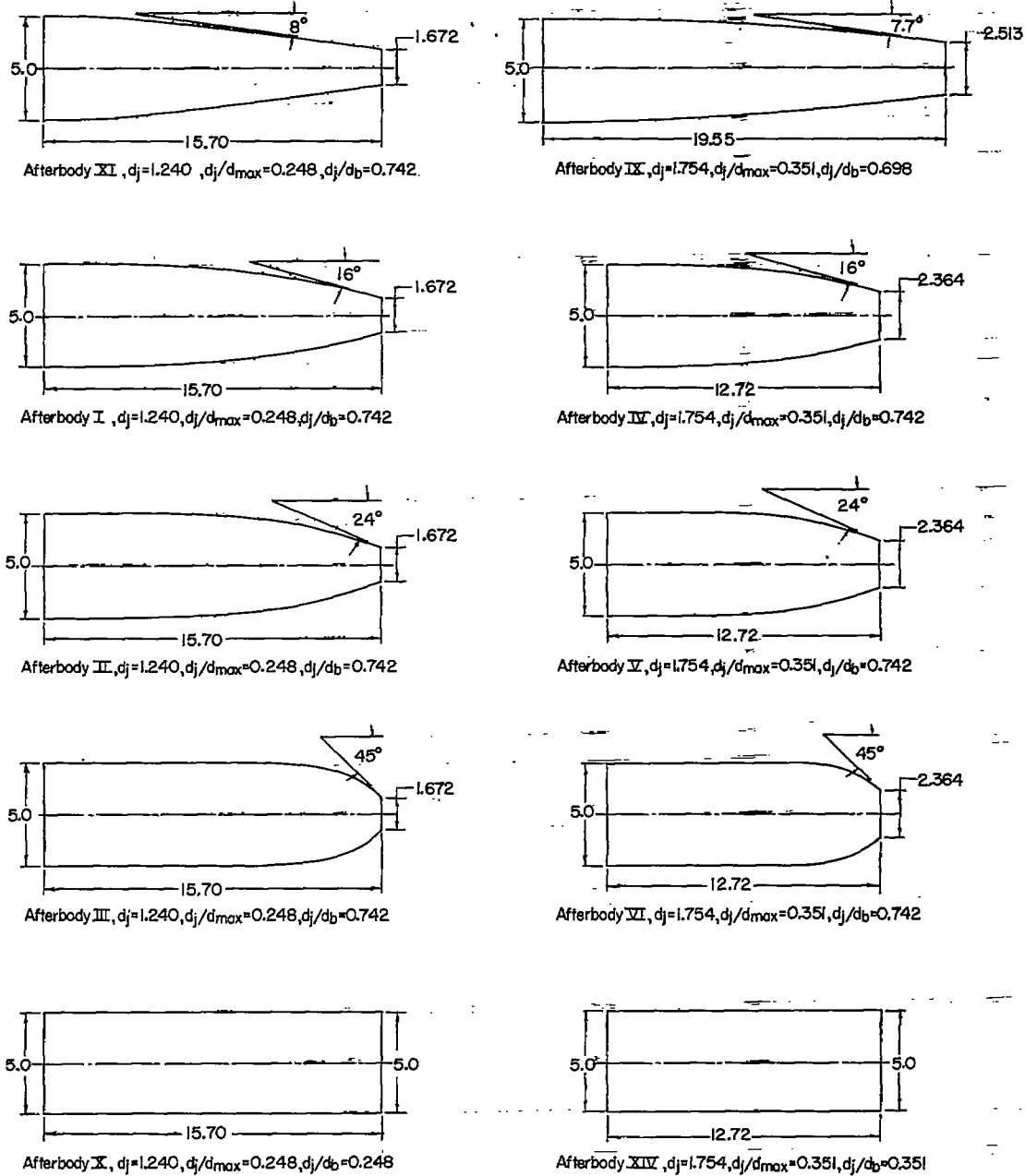
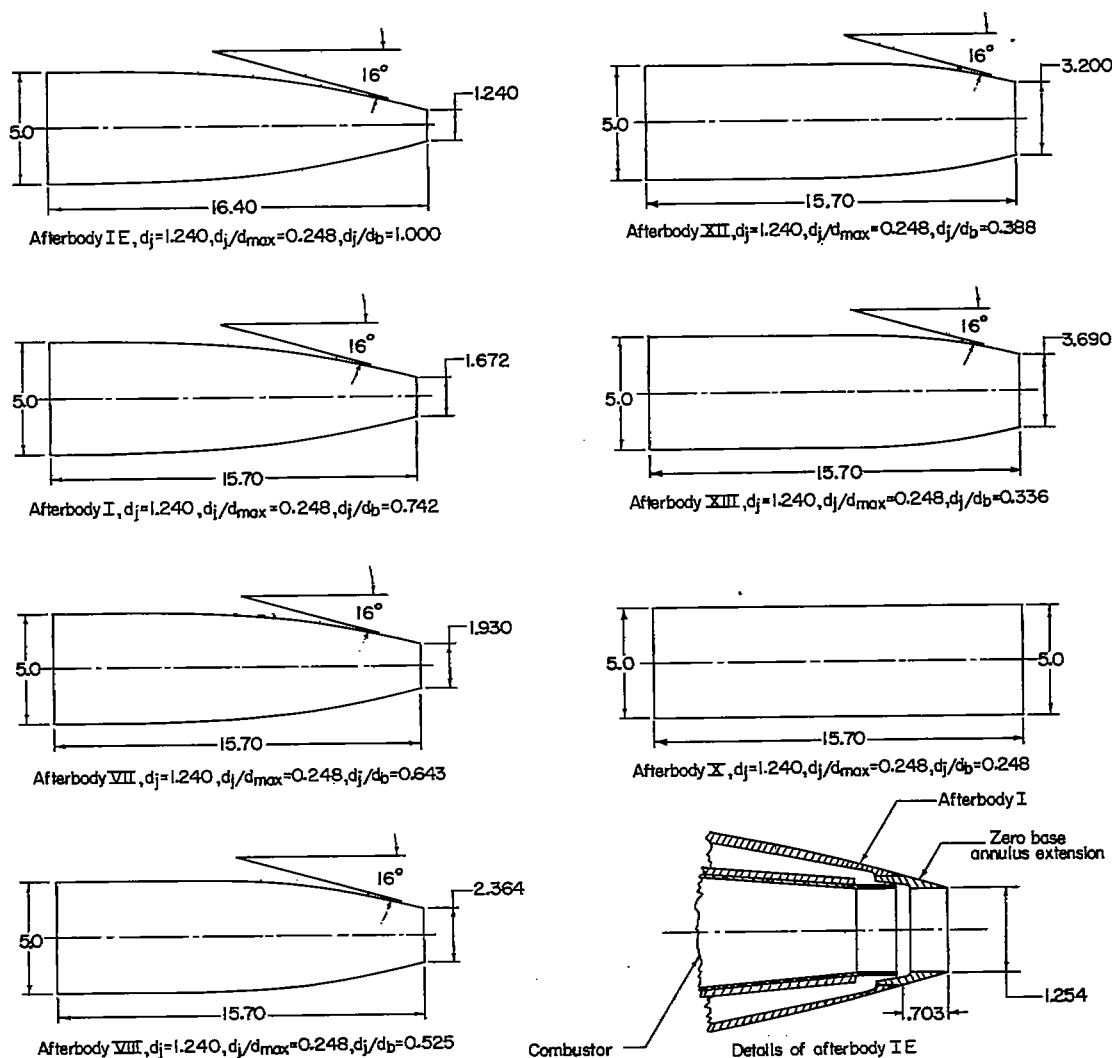


Figure 1.- Turbojet-simulator model in Langley 8-foot transonic tunnel.



(a) Shapes used to study the effects of β and d_j/d_{max} .

Figure 2.- Drawing of afterbody shapes investigated. All dimensions are in inches unless otherwise noted.



(b) Shapes used to study the effects of d_j/d_b .

Figure 2.- Concluded.

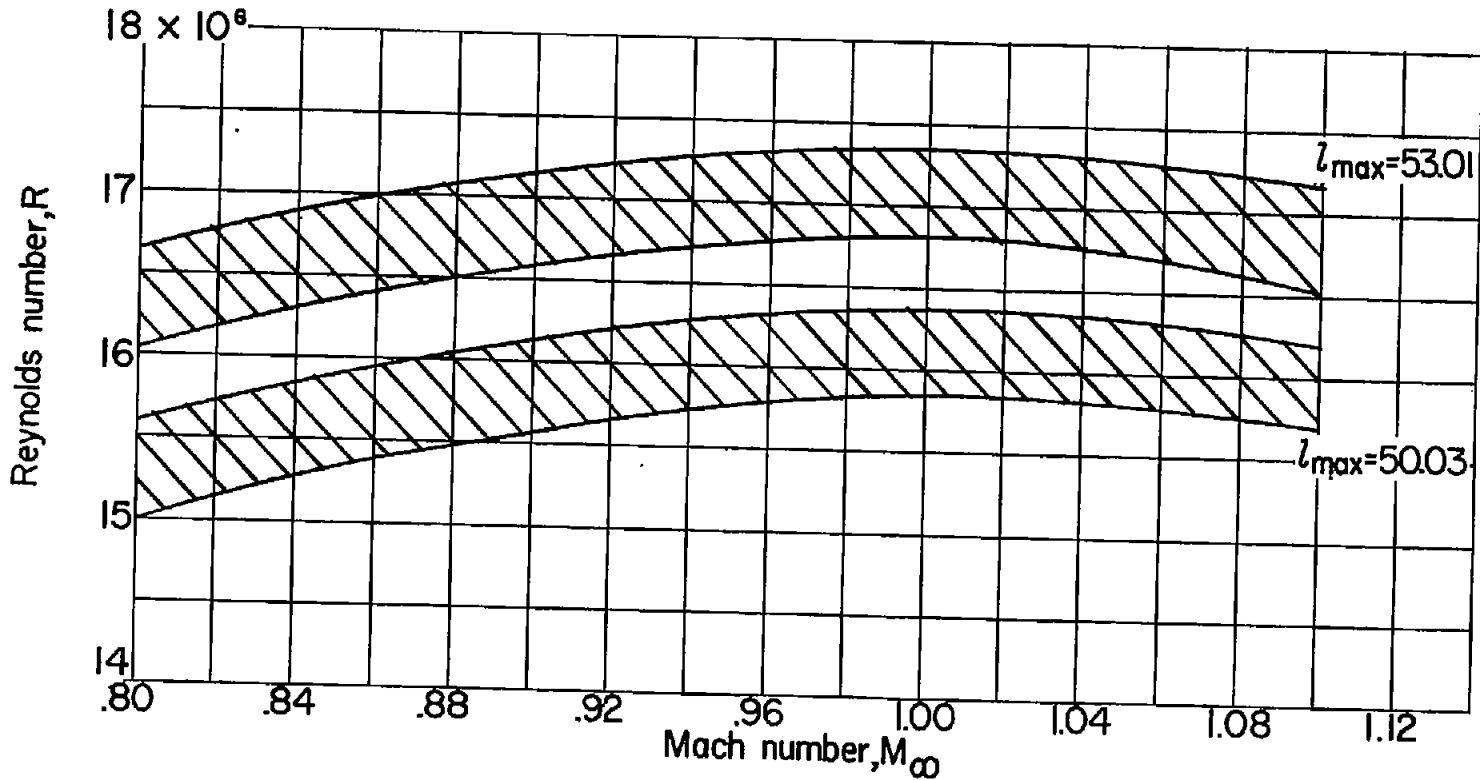
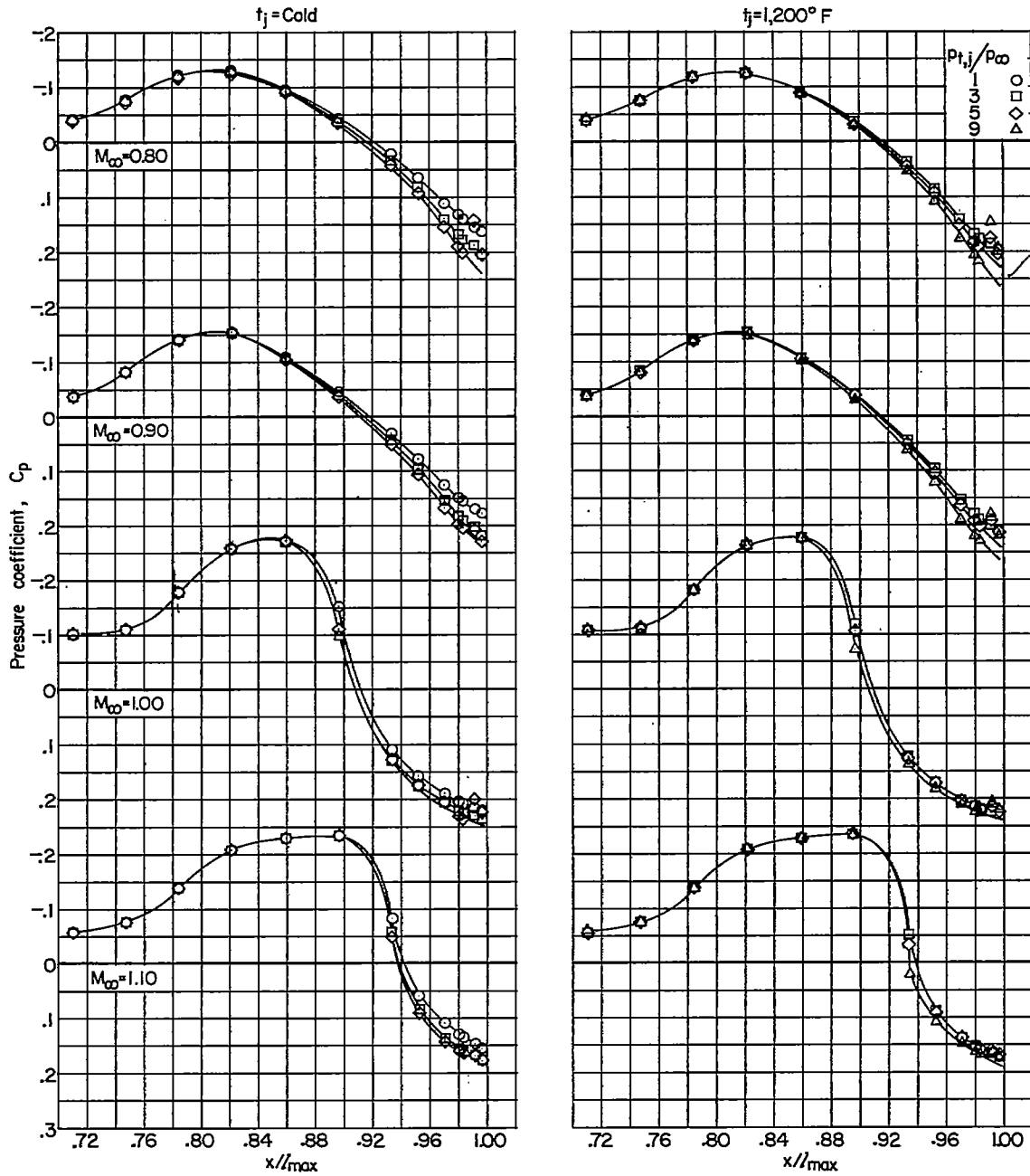


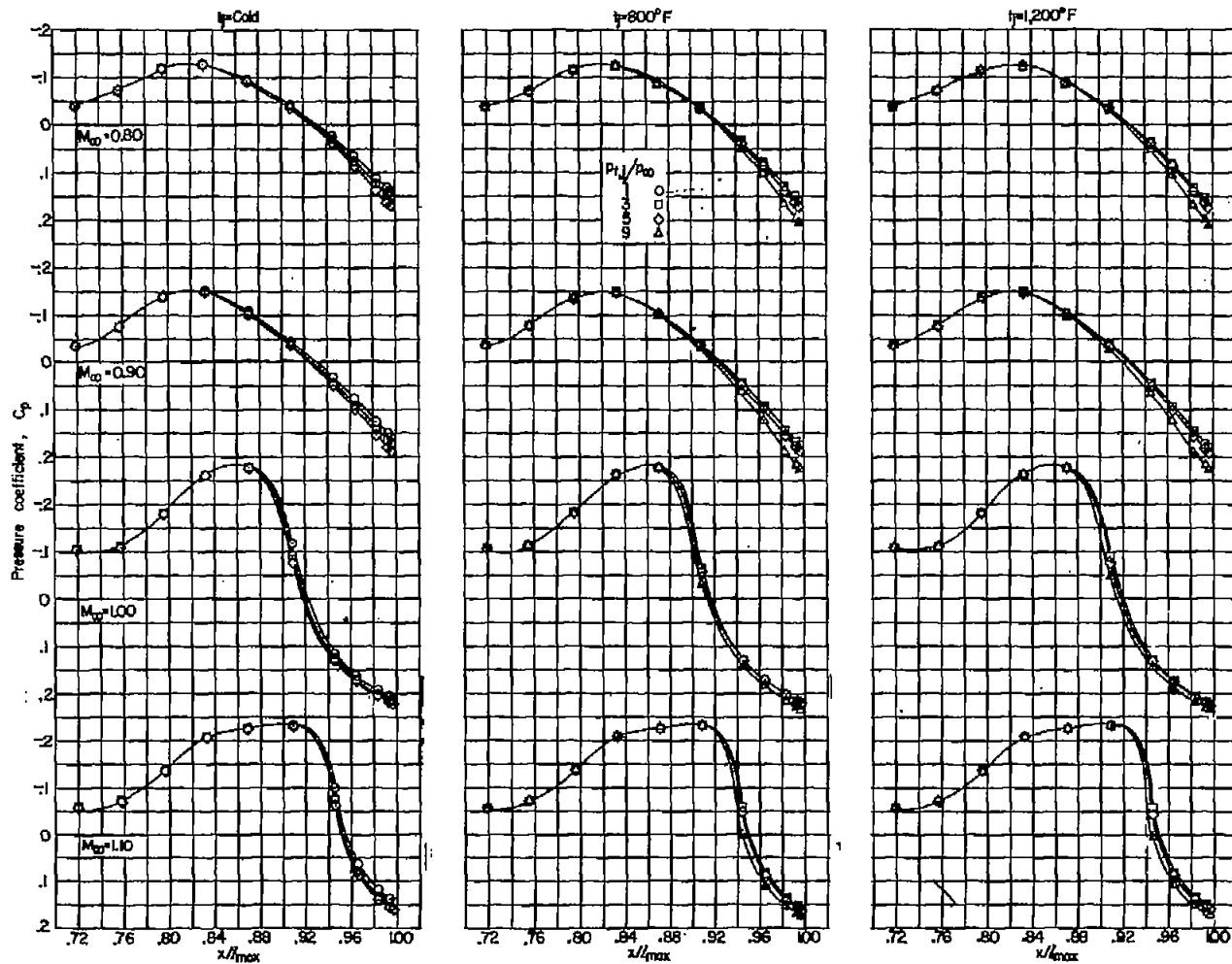
Figure 3.- Variation of Reynolds number, based on body length, with Mach number.

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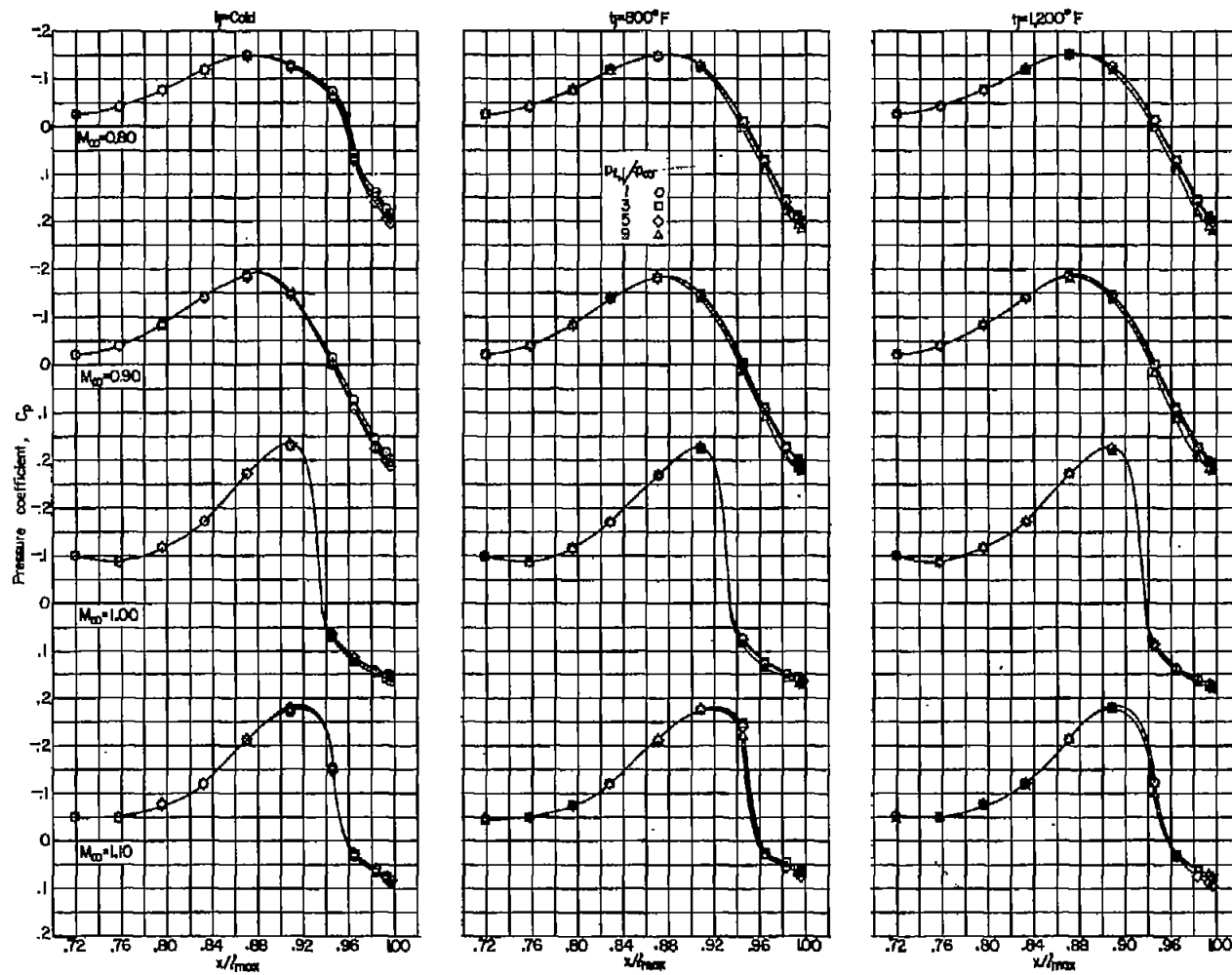
(a) Afterbody IE.

Figure 4.- Variation of local-pressure coefficients along the 0° meridian for the afterbodies investigated.



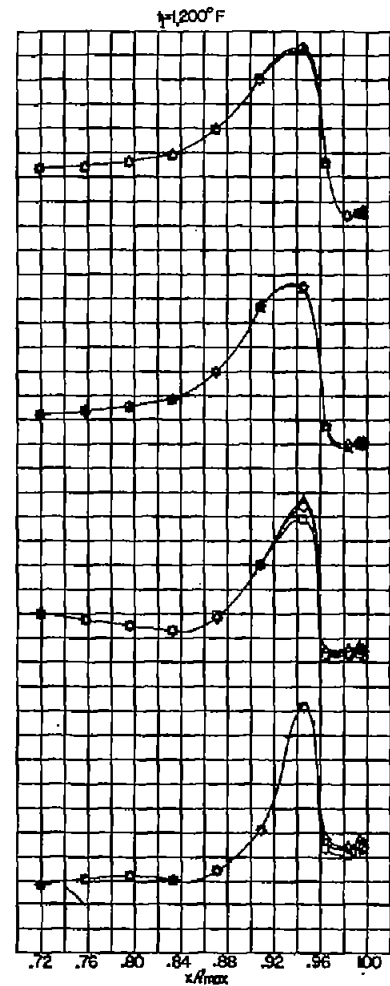
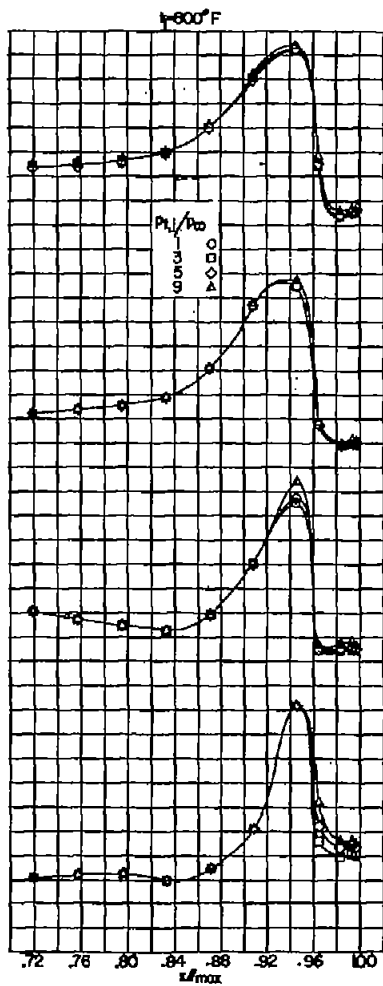
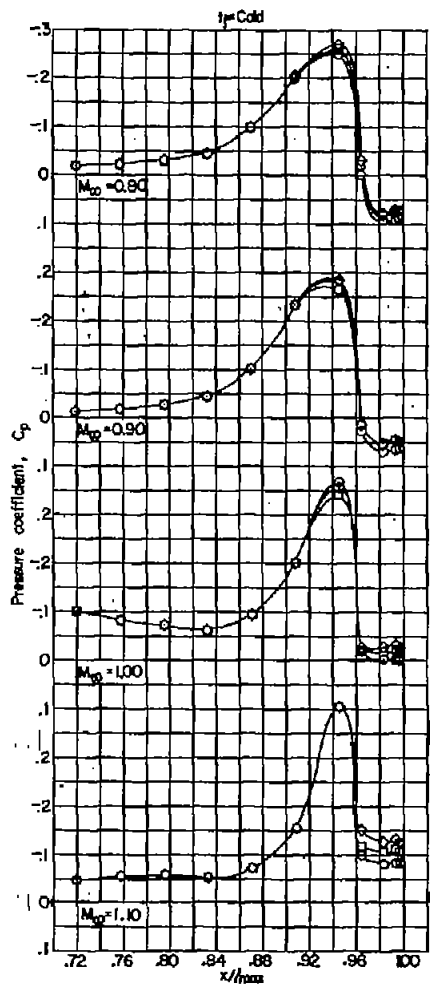
(b) Afterbody I.

Figure 4.- Continued.



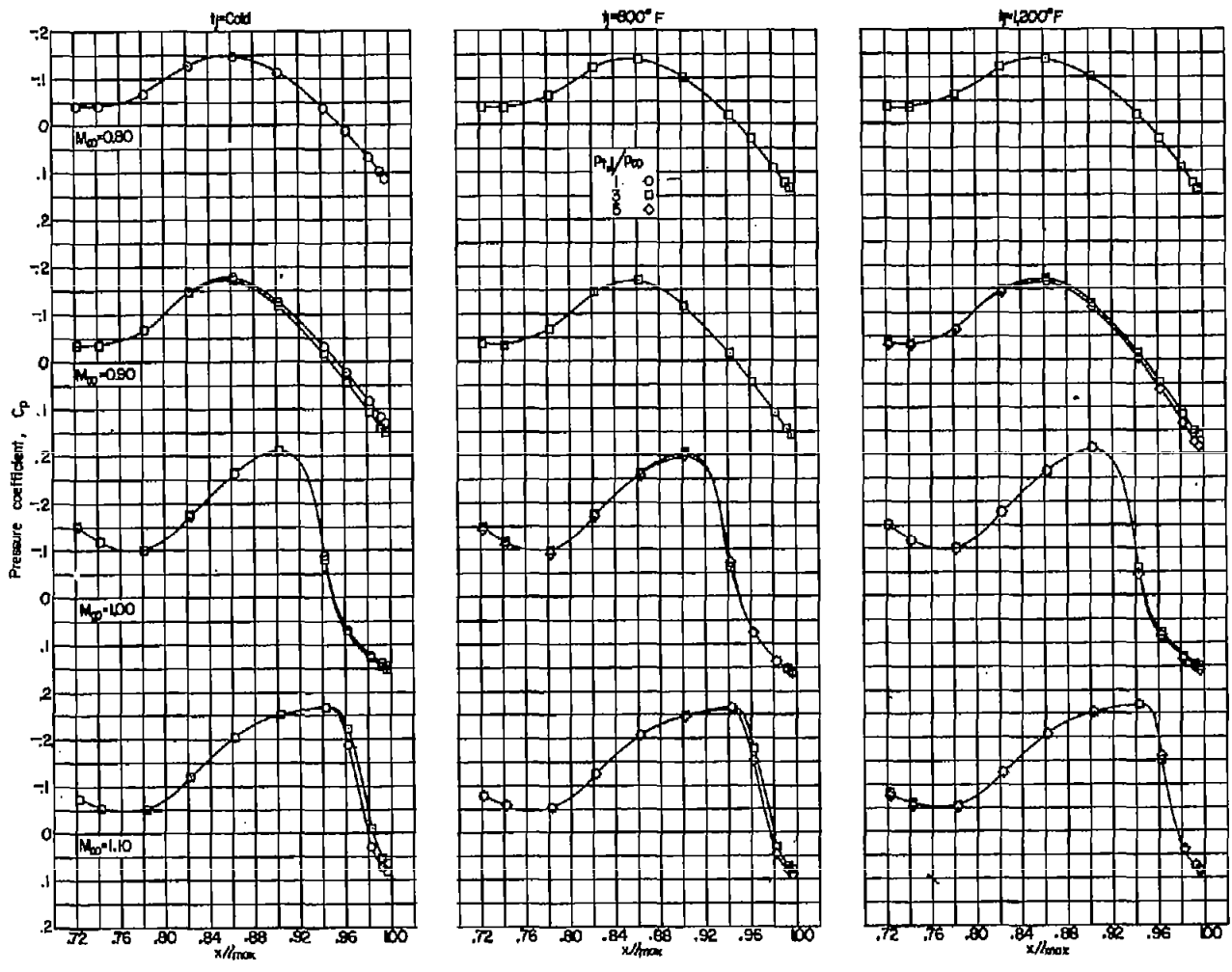
(c) Afterbody II.

Figure 4.- Continued.



(d) Afterbody III.

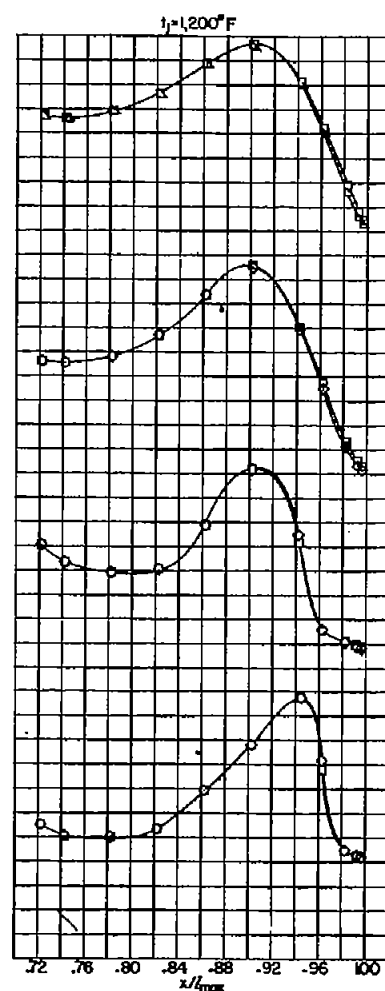
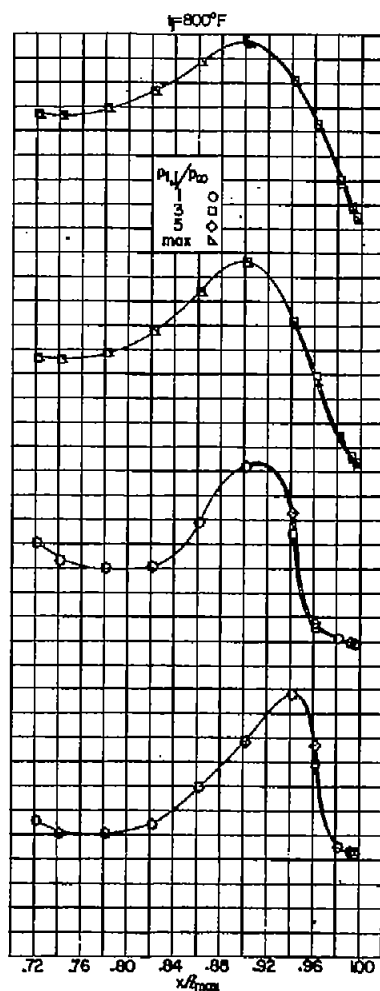
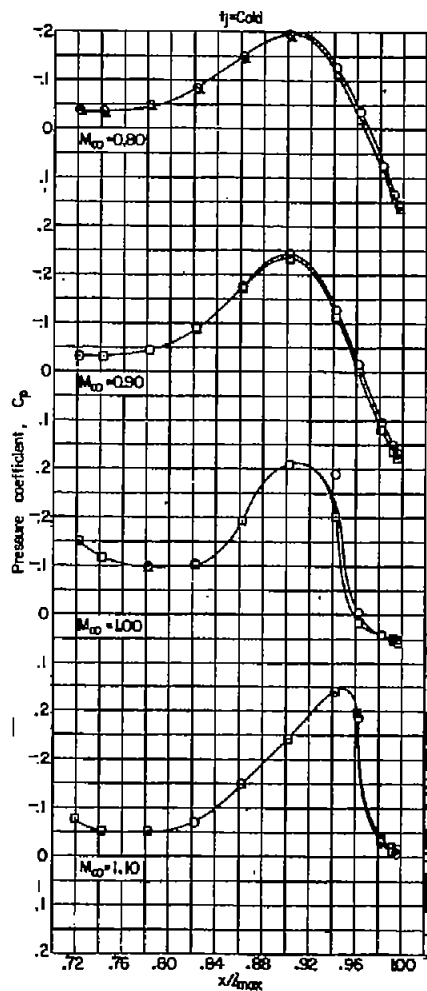
Figure 4.- Continued.



(e) Afterbody IV.

Figure 4.- Continued.

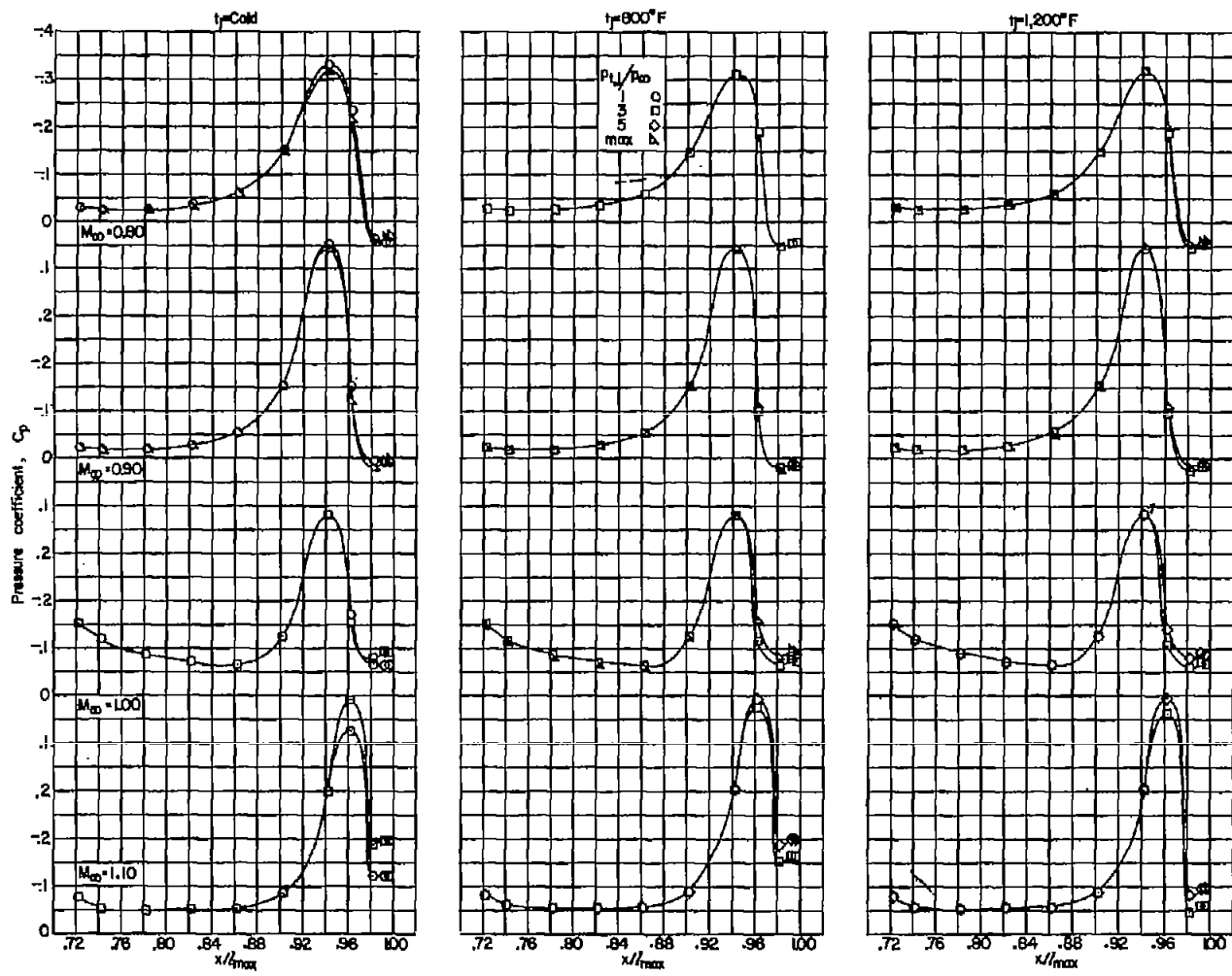
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(f) Afterbody V.

Figure 4.- Continued.

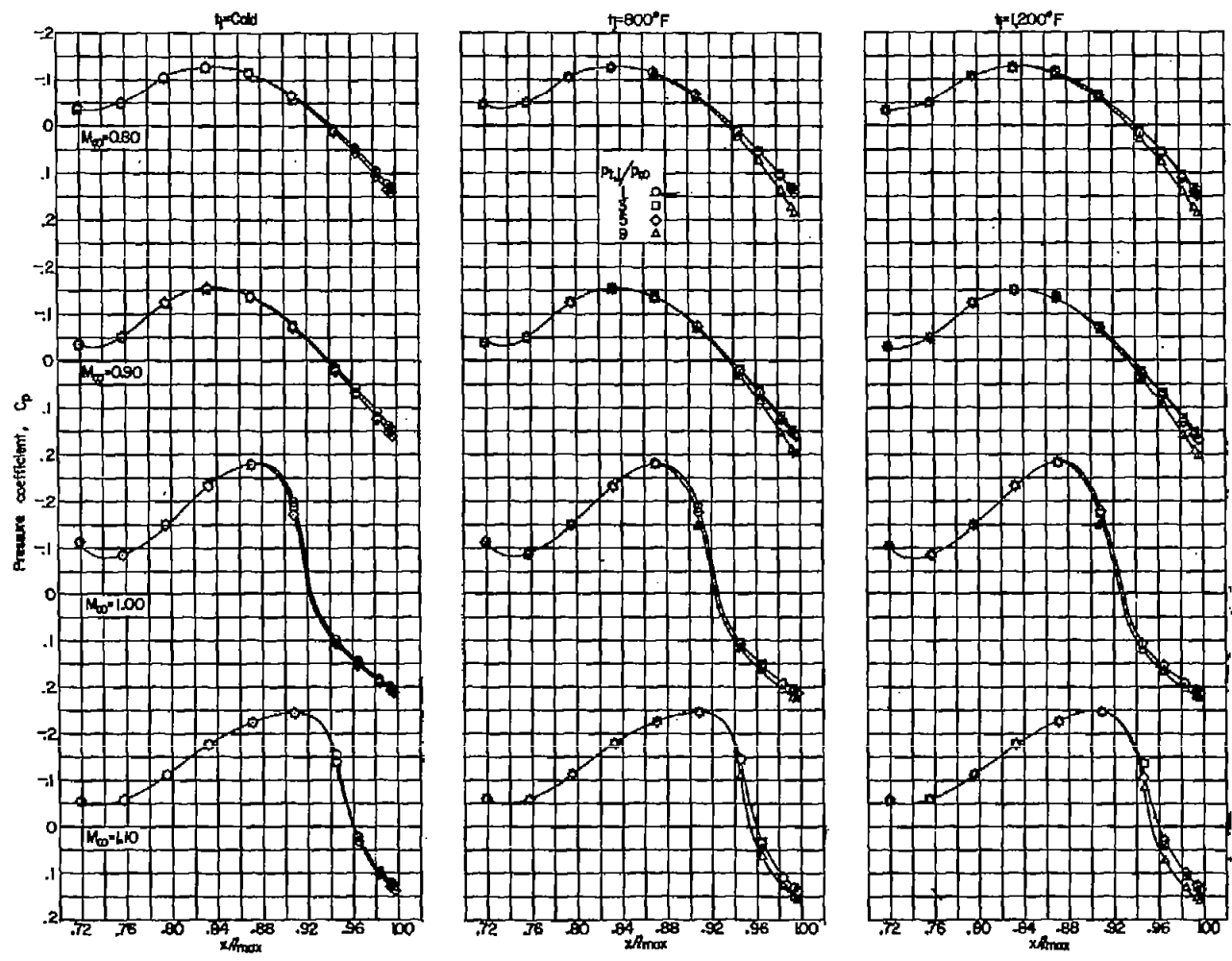
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(g) Afterbody VI.

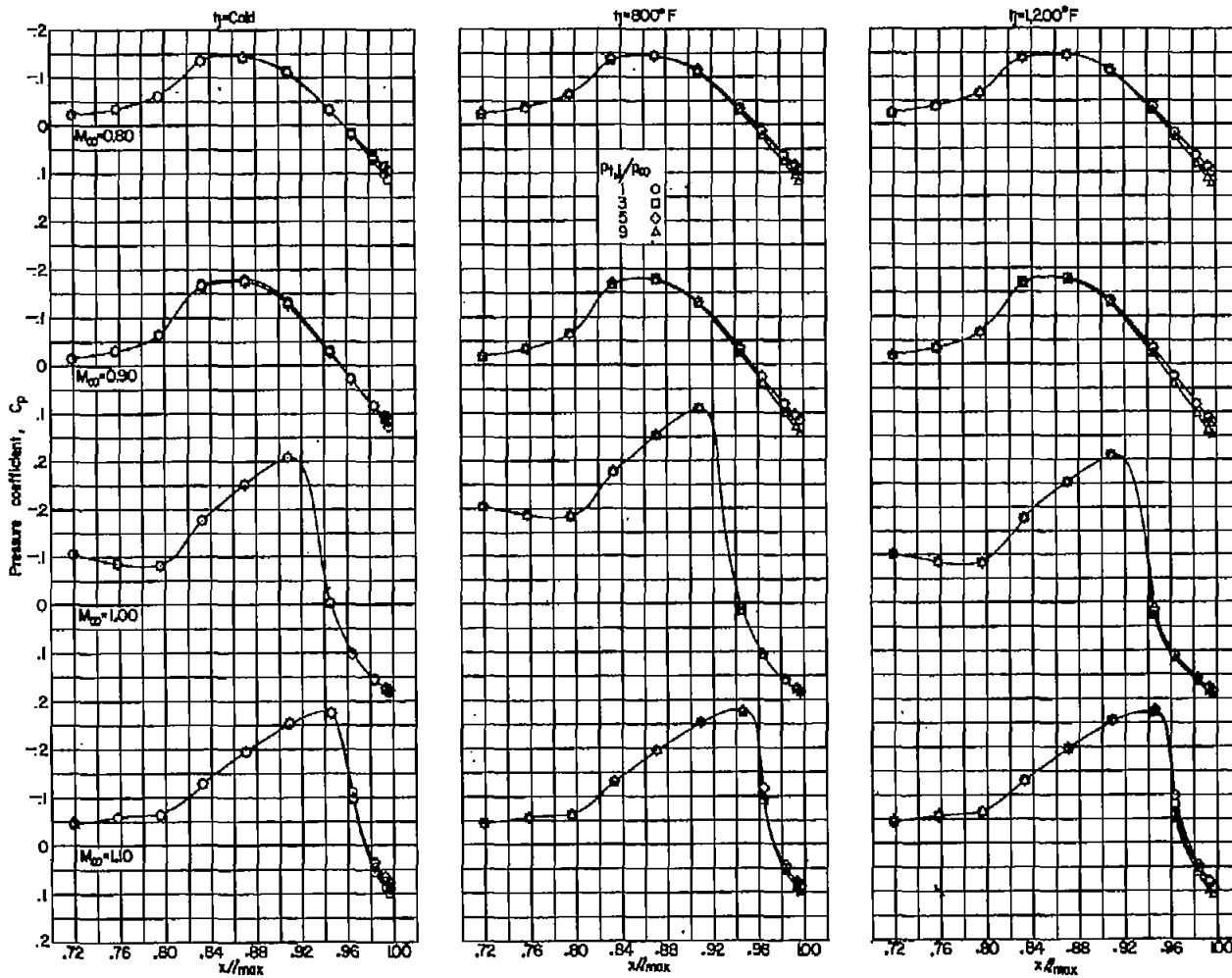
Figure 4.- Continued.

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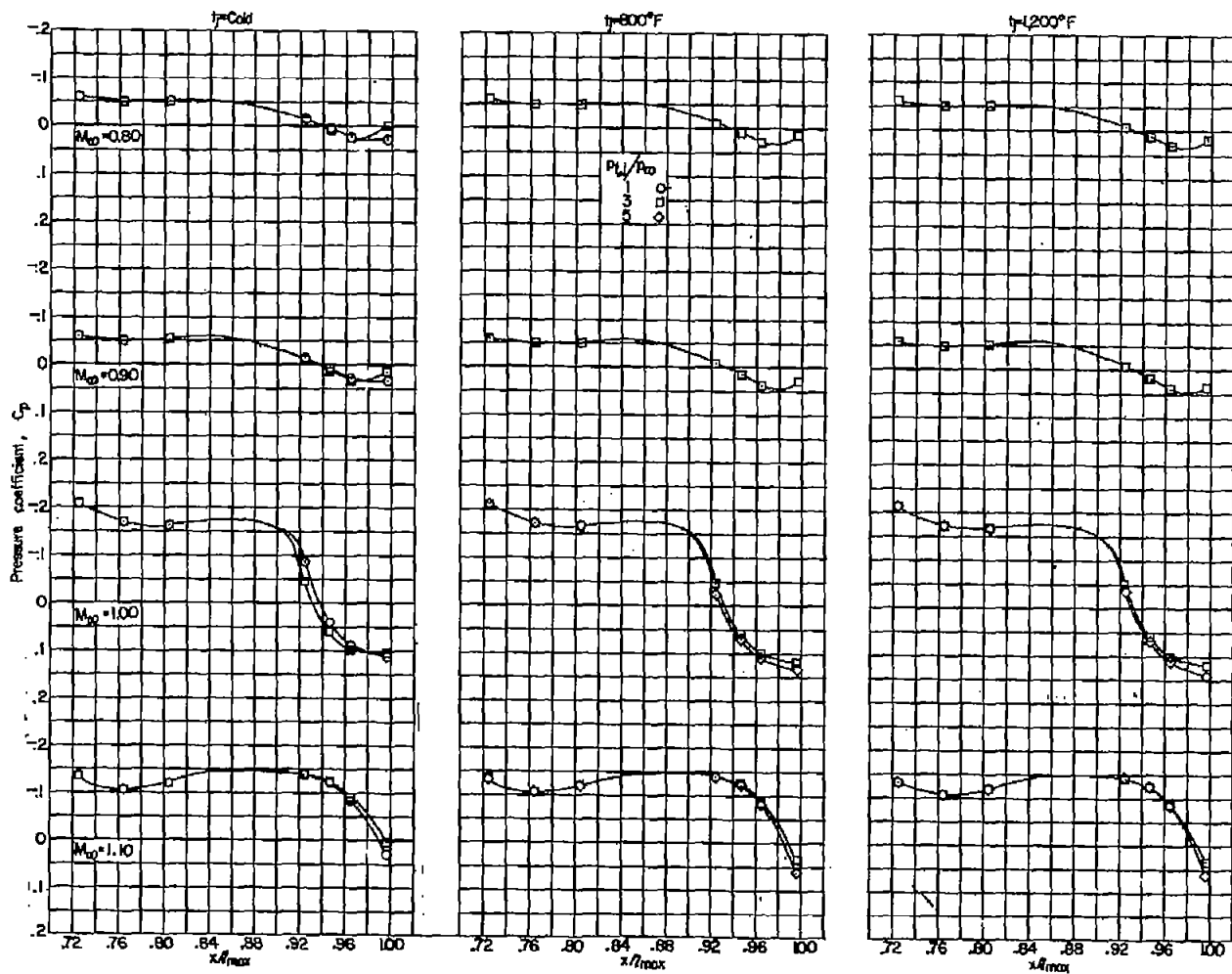
(h) Afterbody VII.

Figure 4.- Continued.



(i) Afterbody VIII.

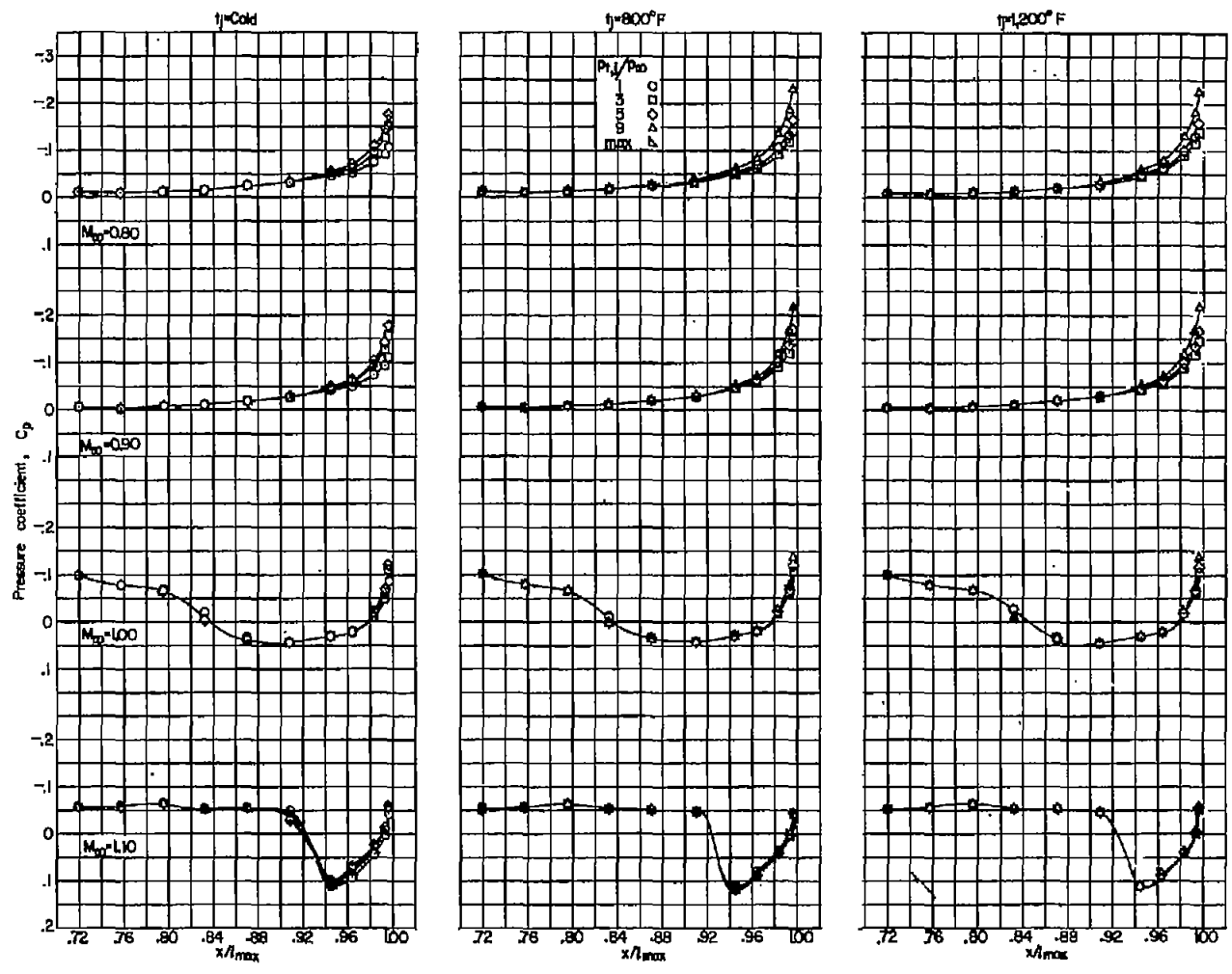
Figure 4.- Continued.



(j) Afterbody IX.

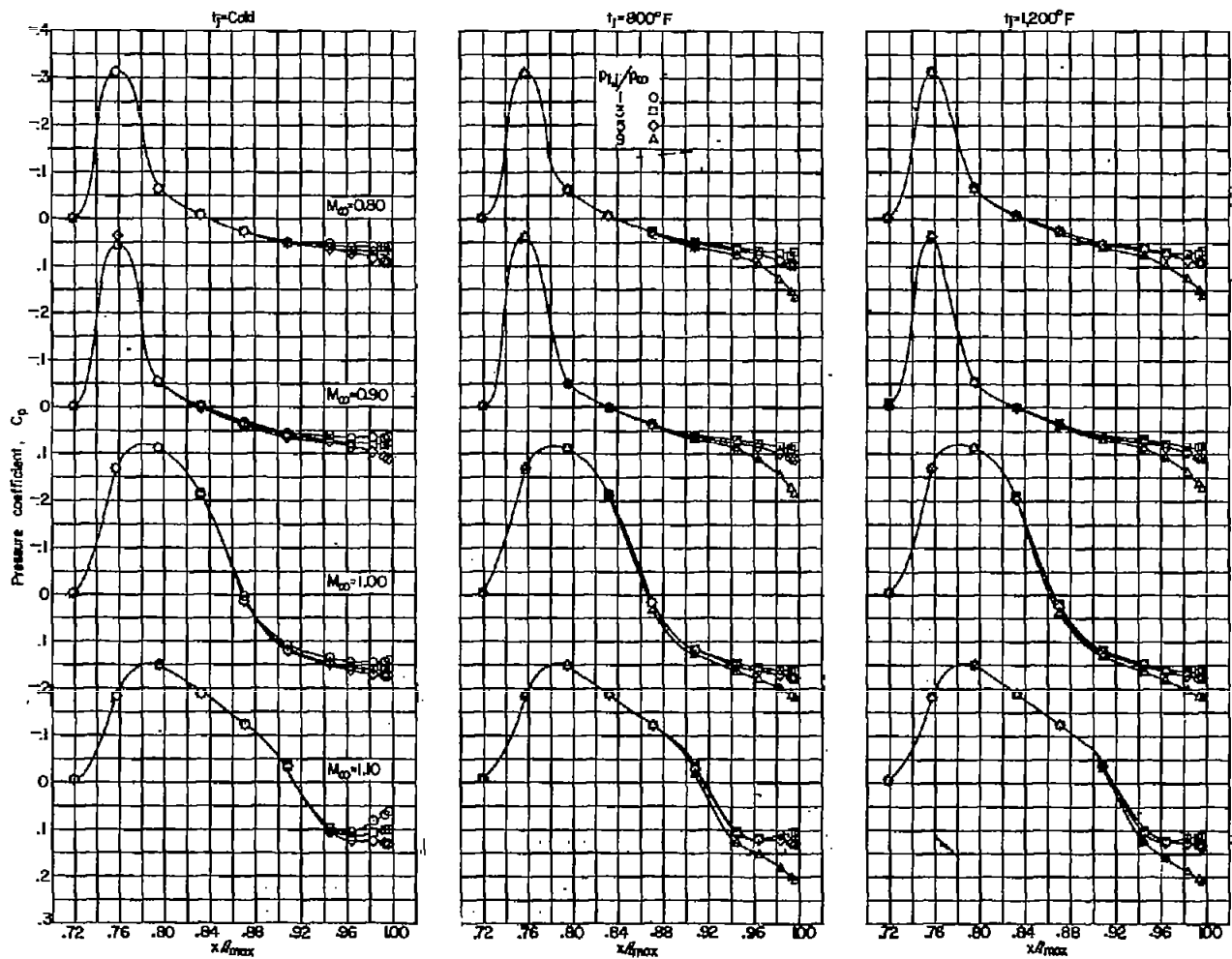
Figure 4.- Continued.

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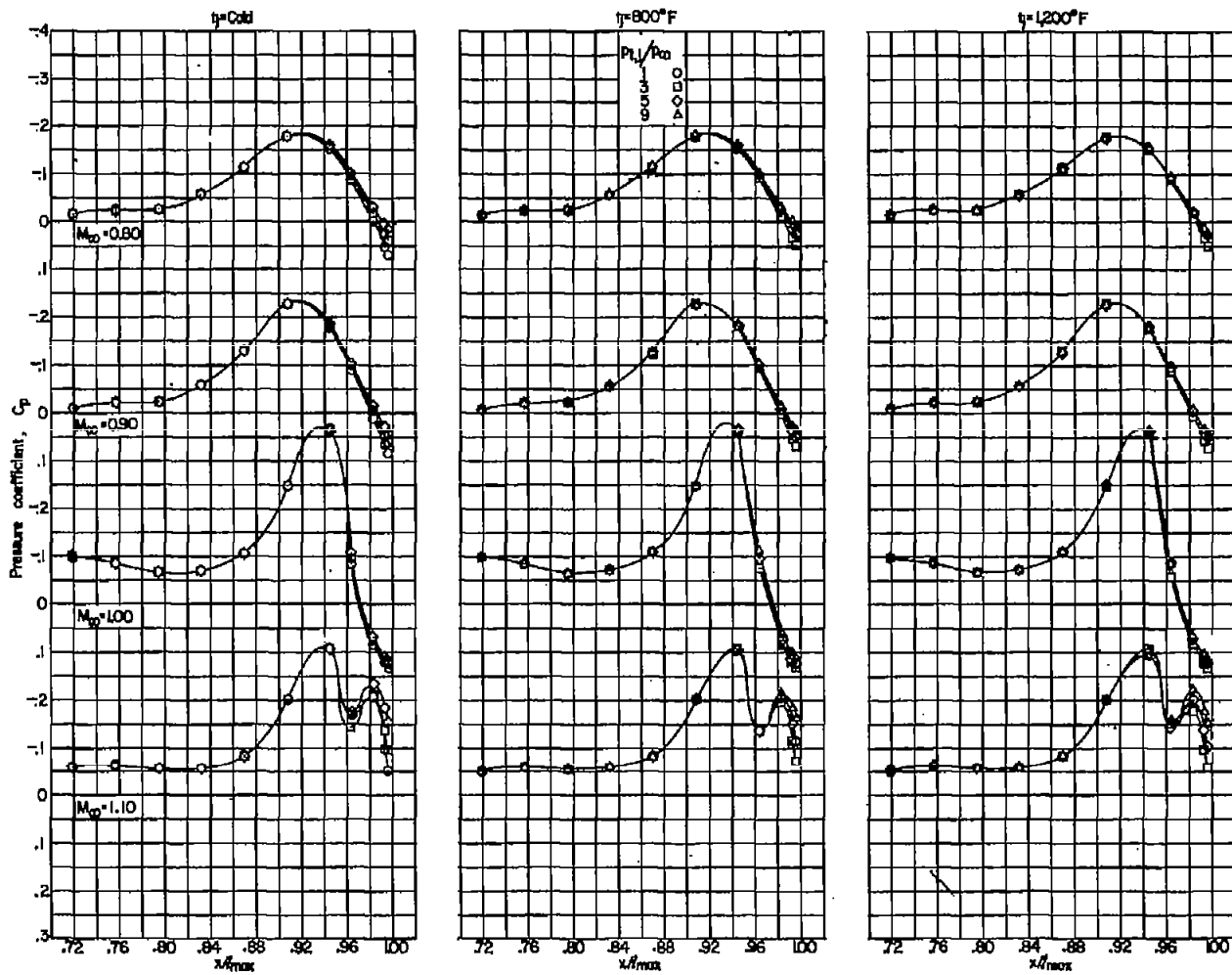
(k) Afterbody X.

Figure 4.- Continued.



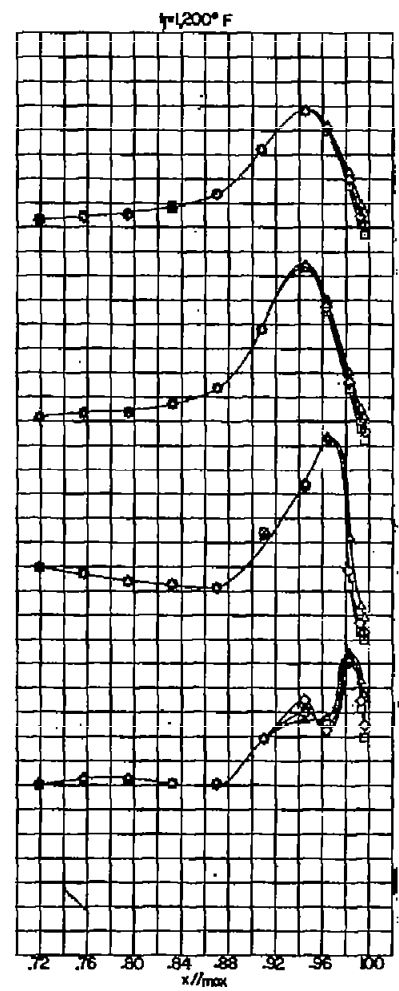
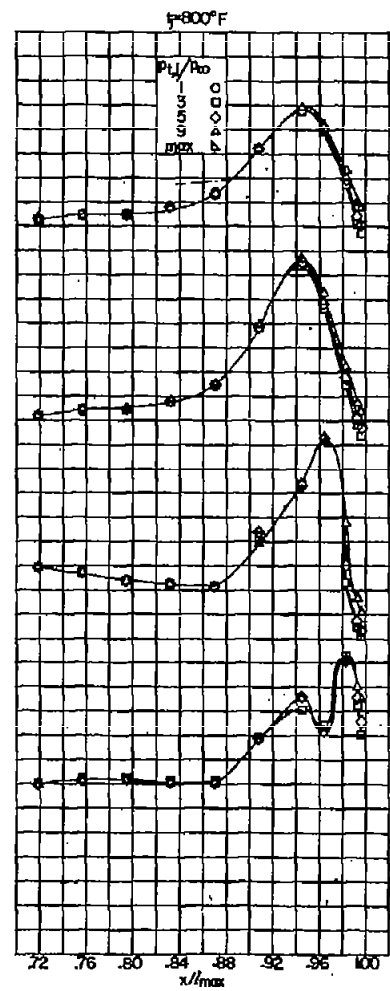
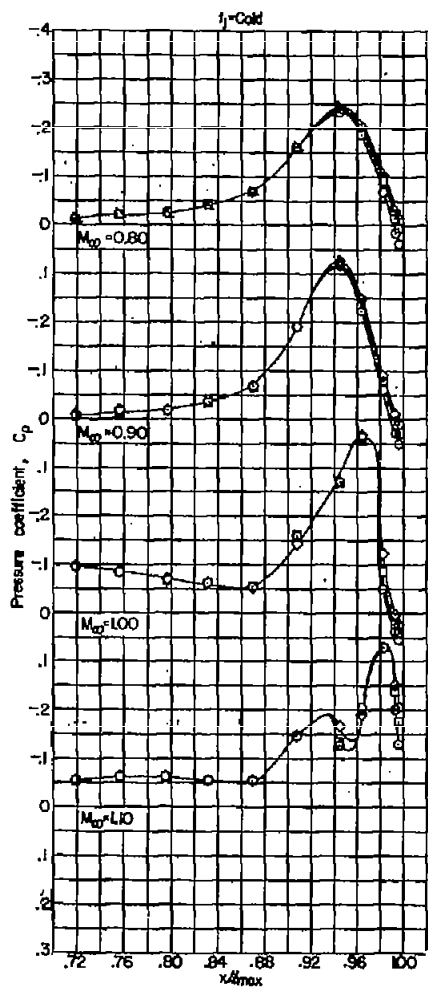
(2) Afterbody XI.

Figure 4.- Continued.



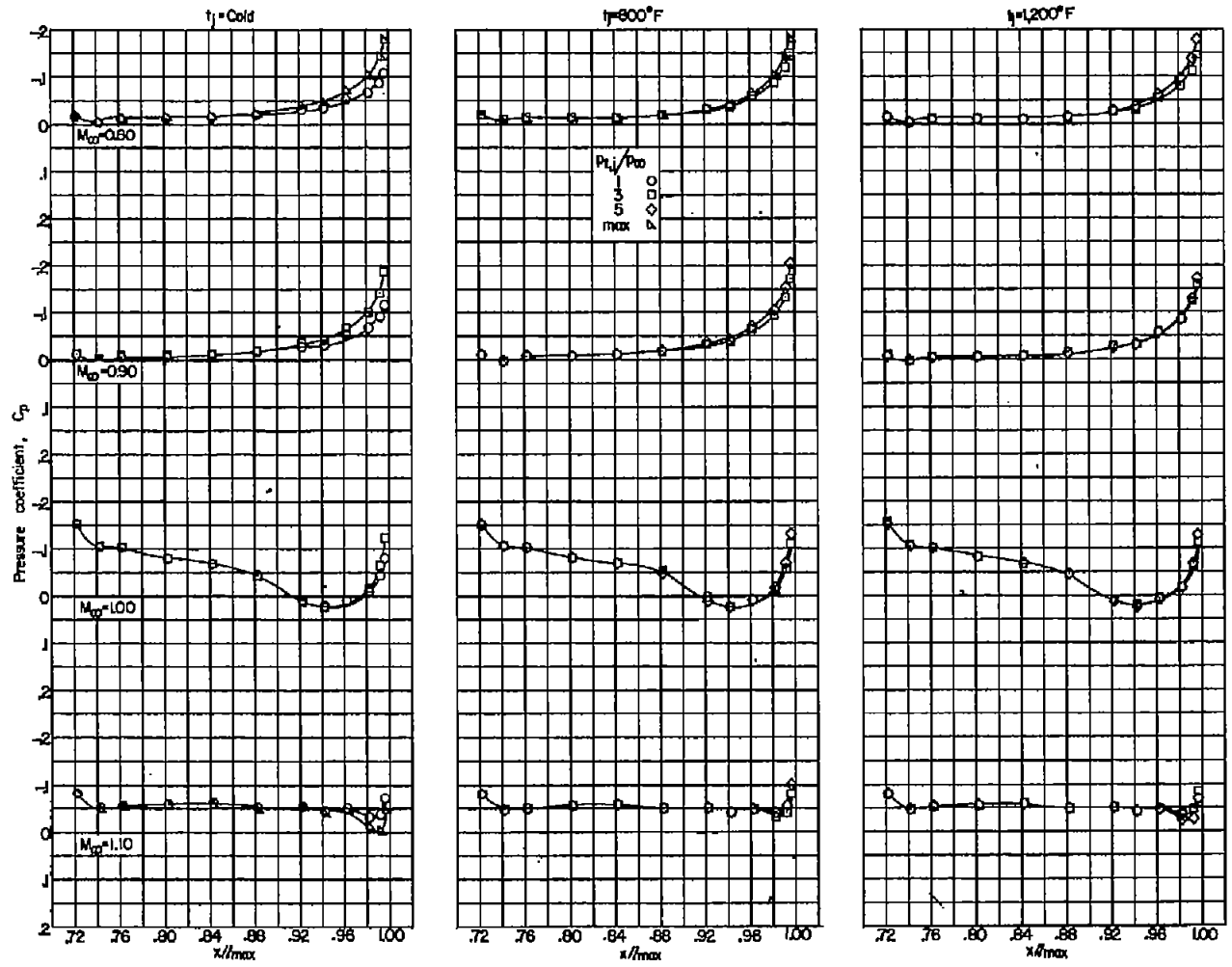
(m) Afterbody XII.

Figure 4.- Continued.



(n) Afterbody XIII.

Figure 4.- Continued.



(o) Afterbody XIV.

Figure 4.- Concluded.

